

PERFORMANCE WORK STATEMENT (PWS)
for the Inspect Repair Only as Necessary (IROAN) of the
Logistics Vehicle System Replacement (LVSF)
Armored Tractor AMKR16

TAMCN D00537K

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Part 1

General Information

1. **GENERAL.** This Performance Work Statement is for the Inspect Repair Only as Necessary (IROAN) of the Logistics Vehicle System Replacement (LVSr) armored tractor AMKR16. The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor who, in turn is responsible to the Government.

1.1 **Description of Services/Introduction.** The contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the IROAN of the Logistics Vehicle System Replacement armored tractor AMKR16 as defined in this Performance Work Statement (PWS) except for those items specified as Government Furnished Property. The contractor shall perform to the standards in this contract.

1.2 **Background.** This PWS along with TM 2320-DE/1 LVSr Sustainment Interactive Electronic Technical Manual (IETM) and TM 11316A/12493A-OR/1 Truck, Tractor, 10X10, AMKR16 establishes, sets forth tasks and identifies the work efforts that shall be completed by the contractor during the IROAN effort for the Logistics Vehicle System Replacement armored tractor AMKR16.

1.3. **Objectives.** This document contains minimum requirements to restore the Logistics Vehicle System Replacement armored tractor AMKR16 to Condition Code "A". Condition Code "A" is defined as "serviceable and issuable without qualification, new, used, repaired, or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction and includes materiel with more than six months shelf-life remaining"

1.4 **Scope.** The contractor shall IROAN the LVSr armored tractors and upon completion of the IROAN process the LVSr armored tractors shall be in condition code "A".

1.5. **Period of Performance.** The period of performance shall be for one (1) Base Year of 12 months.

1.6 **General Information**

1.6.1. **Turnaround Time.** The contractor shall IROAN the LVSr armored tractor within one hundred and twenty-five (125) days after induction into the IROAN cycle. "Turnaround Time" is defined as: The date the vehicle is placed into production for IROAN in the contractor's facility to the date the LVSr armored tractors completes the IROAN process. Request for clarification shall be directed to the Contracting Officer.

1.6.2. **Quality Control (QC).** The contractor shall develop and maintain an effective Quality Control Program (QCP) to ensure services are performed In Accordance With (IAW) this PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-

recurrence of defective services. The contractor's QCP is the means by which the contractor assures that the work complies with the requirements of this contract. The contractor shall provide a QCP with the contractor's proposal. After acceptance of the QCP the contractor will receive the contracting officer's acceptance in writing of any proposed change to his quality control system. The contractor shall be, and remain, certified in Quality Management IAW ANSI/International Organization for Standardization (ISO)/American Society for Quality Control (ASQC) 9001-2008 Quality Management Systems-Requirements.

1.6.3. Quality Assurance.

a. The government shall evaluate the contractor's performance under this contract in accordance with the Performance Requirements Summary (PRS). This plan is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the performance standards. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rate(s).

b. The contractor has a key responsibility to have a Quality Assurance Surveillance Plan (QASP) in place to assure that any deficiencies are corrected as performance emerges. The QASP will be presented to the Contracting Officer (CO) for review during the start of work meeting. The contractor should consider the QASP to be a living document that will be required to be updated as issues or concerns arise in the execution of the contract requirements.

c. Defense Contract Management Agency (DCMA) Quality Assurance Representative (QAR); Program Manager Logistics Vehicle System Replacement (PM M&HTV); Logistic Manager Specialist (LMS), or Equipment Specialist (ES), retain the right for in-process reviews and inspections of the quality of work delivered, materiel provided and documents written during IROAN process. Failure of the contractor to promptly correct deficiencies discovered shall be reason for suspension of acceptance until corrective action has been accomplished. Government Quality Control agency personnel shall verify Item Unique Identification (IUID) mark and Unique Item Identification (UII) application or reapplication per Defense Federal Acquisition Regulation Supplement (DFARS) Clauses, and MIL-STD-130.

1.6.4. Place of Performance. The work to be performed under this contract shall be performed at the contractor facility.

1.6.5. Type of Contract. The government will award a Firm Fixed Price Contract.

1.6.6. Physical Security. The contractor shall be responsible for safeguarding all government equipment, information and property provided for contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured.

1.6.7. Post Award Conference/Periodic Progress Meetings. The Contractor agrees to attend any post award conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation Subpart 42.5. The contracting officer, Contracting Officer's Representative (COR), and other Government personnel, as appropriate, may meet periodically with the contractor to review the contractor's performance. At these

meetings the contracting officer will apprise the contractor of how the Government views the contractor's performance and the contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the Government.

1.6.8. Contracting Officer's Representative (COR). The COR will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communications with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements, including Government drawings, designs, specifications; monitor Contractor's performance and notifies both the Contracting Officer and Contractor of any deficiencies; coordinate availability of government furnished property; and provide site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.

1.6.9. Key Personnel. The follow personnel are considered key personnel by the government: Contract Specialist, Francine Richardson; Logistics Management Specialist, Robert Hanovich; Equipment Specialist, Peter Gilman and Mark Zaikarite. The contractor shall provide a contract manager who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the contractor when the manager is absent shall be designated in writing to the contracting officer. The contract manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract. The contract manager or alternate shall be available between 7:00 a.m. to 5:00 p.m. Monday thru Friday except Federal holidays.

1.6.10. Identification of Contractor Employees. All contract personnel attending meetings, and working in other situations where their contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. They must also ensure that all documents or reports produced by contractors are suitably marked as contractor products or that contractor participation is appropriately disclosed.

1.6.11. Data Rights. The Government has unlimited rights to all documents/material produced under this contract. All documents and materials, to include the source codes of any software, produced under this contract shall be Government owned and are the property of the Government with all rights and privileges of ownership/copyright belonging exclusively to the Government. These documents and materials may not be used or sold by the contractor without written permission from the Contracting Officer. All materials supplied to the Government shall be the sole property of the Government and may not be used for any other purpose. This right does not abrogate any other Government rights.

1.6.12 Organizational Conflict of Interest. Contractor and subcontractor personnel performing work under this contract may receive, have access to or participate in the

development of proprietary or source selection information (e.g., cost or pricing information, budget information or analyses, specifications or work statements, etc.) or perform evaluation services which may create a current or subsequent Organizational Conflict of Interests (OCI) as defined in FAR Subpart 9.5. The Contractor shall notify the Contracting Officer immediately whenever it becomes aware that such access or participation may result in any actual or potential OCI and shall promptly submit a plan to the Contracting Officer to avoid or mitigate any such OCI. The Contractor's mitigation plan will be determined to be acceptable solely at the discretion of the Contracting Officer and in the event the Contracting Officer unilaterally determines that any such OCI cannot be satisfactorily avoided or mitigated, the Contracting Officer may affect other remedies as he or she deems necessary, including prohibiting the Contractor from participation in subsequent contracted requirements which may be affected by the OCI.

1.6.13. **Intent:** Accurate and timely physical inventories are essential to the success of the Marine Corps Total Asset Visibility mission. Controlled physical inventories are required for all assets being held by a contractor. The contractor has the responsibility for conducting physical inventories upon the initial receipt of assets. When conducting inventories, an individual thoroughly familiar with the type of items to be inventoried should be placed in charge of the inventory team.

1.6.14. **Proof of Receipt:** The contractor is responsible for physically receiving, identifying, and processing all incoming items. When a shipment of item(s) are received at the contractor, they will be physically verified by serial number against the shipping invoice document (DD Form 1149, DD Form 1348, or SF 153) to ensure the item(s) received correctly corresponds with the item(s) listed on the shipping document. Copies of the signed (receipted for) shipping document/invoice will be returned electronically to LOGCOM. When item(s) are received without the pertinent information (i.e. serial number), the contractor will send the signed shipping document with the standardized LOGCOM Discrepancy Report containing the missing information as soon as a discrepancy is identified. If discrepancies are noted on the shipping document by the contractor, such as incorrect serial numbers or incorrect quantities, simply reconcile any differences which may exist by providing a signed copy of the shipping document and a LOGCOM Discrepancy Report as soon as the discrepancy has been identified.

1.6.15. **Proof of Shipment:** At the point when Marine Corps assets have completed their contracted maintenance cycle, the contractor is responsible for creating a detailed shipping document for the transfer of custody. The shipping/transfer of custody document should contain all the necessary pertinent information, as applicable to each document, which includes the following:

- (1) Unit of Issue
- (2) Ship from DODAAC
- (3) Ship to DODAAC
- (4) Mark For
- (5) Quantity Received
- (6) TAMCN (if applicable)

- (7) Nomenclature
- (8) Signature: Person who received the assets.
- (9) Date Received
- (10) Document Number
- (11) National Stock Number (NSN)
- (12) Serial Number(s)
- (13) Additional Data/Remarks: Special Instructions/Ship to Information and Serial Number changes/alterations (the serial number changes can be placed into another document/spreadsheet which clearly shows the old and replacement serial numbers)
- (14) Printed Name, Number, Email Address, Company

The contractor is responsible for ensuring that the asset is transferred back to LOGCOM (or to the location directed by LOGCOM) under the same document number as it was initially receipted for prior to induction.

1.6.16. **Inventory:** All items at the contractor will be physically inventoried (wall-to-wall) annually or at the request of LOGCOM. Location verification (pre-induction, induction, post-production) will also be accomplished at this time. The inventory will be conducted in accordance with the following:

a. Prior to an inventory being conducted, LOGCOM will contact the contractor and establish a timeline with a cutoff date when results (via the LOGCOM Physical Inventory document) are to be completed. The contractor will ensure all pending transfer of custody transactions affecting the inventory have been reported to LOGCOM. All assets received during the inventory will be held in the receiving area of the contractor and not included in the inventory until after the inventory has been completed, as they have not yet been receipted for. All assets that have completed their maintenance cycle, yet are still located at the contractor during the time of the inventory will also be recorded in the inventory and labeled as 'post production'.

b. LOGCOM will provide a LOGCOM Physical Inventory document, see attachments. The contractor will provide the Document Number, TAMCN, NSN, Serial Number, Date Received, and Induction Status for each asset on hand at the time of the preset cutoff date on the provided inventory form.

c. These documents will be sent electronically to the LOGCOM Maintenance Management Center organizational mailbox smblogcommmmsb@usmc.mil.

PART 2 DEFINITIONS

- 2.1. **COMPONENT**: A separate identifiable part of an end item which performs a function within the system or subsystem and is necessary for the proper operation of that end item.
- 2.2. **CONTRACTOR**: A supplier or vendor awarded a contract to provide specific supplies or service to the government. The term used in this contract refers to the prime.
- 2.3. **CONTRACTING OFFICER**: A person with authority to enter into, administer, and or terminate contracts, and make related determinations and findings on behalf of the government. Note: The only individual who can legally bind the government.
- 2.4. **CONTRACTING OFFICER'S REPRESENTATIVE (COR)**:): An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.
- 2.5. **CONDITION CODE "A"**: Is defined as "serviceable and issuable without qualification, new, used, repaired, or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction and includes materiel with more than six months shelf-life remaining"
- 2.6. **DEFECTIVE**: The absence of any characteristic essential to the complete function, performance, or serviceability which renders an item unfit for its intended purpose.
- 2.7. **DEFECTIVE SERVICE**: A service output that does not meet the standard of performance associated with the Performance Work Statement.
- 2.8. **DEFICIENT**: Lacking in some necessary quality or element and not up to a normal standard or complement.
- 2.9. **DETERIORATED**: The degeneration or decline in the condition, appearance, performance, or serviceability which renders an item unfit for further use.
- 2.10. **DELIVERABLE**: Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports.
- 2.11. **ECONOMICALLY REPARABLE**: The required repair cost (labor and material) of a reparable item shall not exceed 65% of its replacement cost.
- 2.12. **HUMAN READABLE INFORMATION (HRI)**: Are open text numbers, letters, and punctuation such as periods, slashes, and dashes that are readable by the human eye with no interface. The UII may be written out in HRI on an IUID label. Note that the high error rate in

reading and transcription for a UII's long set of characters places primary emphasis on scanning the IUID mark to determine the UII accurately

2.13. **IROAN**: That maintenance technique which determines the minimum repairs necessary to restore equipment, components, or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement

2.14. **ITEM UNIQUE ITEM IDENTIFICATION (IUID)**: Item Unique Item Identification is a method that identifies items using a 2-dimensional (2D) Data Matrix symbol (ECC 200 standard) encoded with a set of data that is globally unique and unambiguous. IUID is also used to refer to the physical Data Matrix on an item.

2.15. **OIL LEAKS**:

- a. Class I leak is just wetness around the leak.
- b. Class II leak is where it forms a drop, but the drop does not fall.
- c. Class III leak is when the drops are falling to the ground.

2.16. **PEDIGREE INFORMATION**: Baseline identification on an item marked or assigned at creation of item, such as manufacturer, part number, and serial number. Some information may change over the life cycle of the item, such as part number, but in general the pedigree information is stable. It is used to corroborate the UII, such as when IUID mark is damaged. Pedigree information is captured in the Office of the Secretary of Defense (OSD) IUID Registry upon registration of the UII.

2.17. **PHYSICAL SECURITY**: Actions that prevent the loss or damage of Government property.

2.18. **QUALITY ASSURANCE**: The government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

2.19. **QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)**: An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

2.20. **QUALITY CONTROL**: All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

2.21. **REPAIR**: The restoration or replacement of parts and components as necessitated by wear, damage, or failure in order to return the specific item of material to proper operating condition.

2.22. **REPARABLE**: An unserviceable item that can be repaired and restored to a serviceable condition.

- 2.23. **REPLACE**: Items determined to be beyond the economical repair shall be replaced with the new items.
- 2.24. **SUBCONTRACTOR**: One that enters into a contract with a prime contractor. The Government does not have privity of contract with the subcontractor.
- 2.25. **TURNAROUND TIME**: The date the LVSR armored tractor is placed into production for IROAN in the contractor facility to the date the LVSR armored tractor completes the IROAN process.
- 2.26. **UNIQUE ITEM IDENTIFIER (UII)**: Unique Item Identifier is the unique data element that is encoded in 2D Data Matrix that is compliant under the IUID method. The UII must be constructed according to specifications in MIL STD 130. The UII must be registered in the OSD IUID Registry.
- 2.27. **WORK DAY**: The number of hours per day the Contractor provides services in accordance with the contract.
- 2.28. **WORK WEEK**: Monday through Friday, unless specified otherwise.

Part 2.1
ACRONYMS:

AC	Air Condition
ASQC	American Society for Quality Control
BII	Basic Issue Items
BFT	Blue Force Tracker
BPMTU	Battery Powered Motorized Traversing Unit
CAC	Charge Air Cooler Assembly
CARC	Chemical Agent Resistant Coating
CFM	Contractor Furnished Materiel
CLIN	Contract Line Item Number
CO	Contracting Officer
COEI	Components of End Items
COR	Contracting Officer Representative
CSA	Configuration Status Accounting
CTIS	Central Tire Inflation System
CVRJ	Crew Vehicle Receiver Jammer
DCMA	Defense Contract Management Agency
DFARS	Defense Federal Acquisition Regulation Supplement
DLA	Defense Logistic Agency
DMDM	Defense Materiel Disposition Manual
DMISA	Depot Maintenance Interservice Support Agreement
DoD	Department of Defense
DoDISS	Department of Defense Index of Specifications and Standards
DVD	Digital Video Disc
DVE	Driver Vision Enhancer
ECP	Engineering Change Proposal
ES	Equipment Specialist
FAR	Federal Acquisition Regulation
FIR	Final Inspection Record
GEX	Global Exchange
GFP	Government Furnished Property
HRI	Human Readable Information
IAW	In Accordance With
IETM	Integrated Electronic Technical Manual
IROAN	Inspect and Repair Only as Necessary
IUID	Item Unique Identification
JEFMICS	Joint Engineering Data Management Information Control System
LMS	Logistic Manager Specialist
LOGCOM	Marine Corps Logistics Command
LTI	Limited Technical Inspection
MCA	Management Control Activity
MCTAGS	Marine Corps Transparent Armor Gun Shield
MEARS	Multi-User Engineering Change Proposal Automated Review System

MI	Modification Instruction
MILSTRIP	Military Standard Requisition and Issue Procedures
MMC	Maintenance Management Center
MPH	Miles Per Hour
MSB	Master Scheduling Branch
MSL	Military Shipping Label
MTU	Manual Traversing Unit
M&HTV	Medium and Heavy Tactical Vehicle
NSN	National Stock Number
OCI	Organizational Conflict of Interests
OEM	Original Equipment Manufacturer
OSD	Office of the Secretary of Defense
PEI	Principal End Item
PECP	Preliminary Engineering Change Proposal
PIPC	Property in the Possession of the Contractor
PM	Program Manager
PM M&HTV	Program Manager Medium and Heavy Tactical Vehicle
POC	Point of Contact
PRS	Performance Requirements Summary
PTO	Power Take Off
PWS	Performance Work Statement
PP&P	Preservation, Packaging and Preparation
QA	Quality Assurance
QAR	Quality Assurance Representative
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Program
RFD	Request for Deviation
ROM	Rough Order of Magnitude
RRR	Reparable Receiving Report
TDS	Temporary Data Storage
TM	Technical Manuals
TOCNET-V	Tactical Operations Command Network V
UID	Unique Identification
UII	Unique Item Identification
USMC	United States Marine Corps
VAN	Vender Access Network
WAWF	Wide Area Work Flow
WSMC	Weapon System Management Center
XML	Extensible Markup Language
2-DMS	2-Data Matrix Symbol
3PL	Third Party Logistics

PART 3
GOVERNMENT FURNISHED PROPERTY, and EQUIPMENT

3.1. GOVERNMENT FURNISHED PROPERTY (GFP).

a. The Management Control Activity (MCA), Marine Corps Logistics Command (LOGCOM), Marine Corps Logistics Base, Albany, GA will coordinate GFP request and maintain a central control system on all government assets with the contractor possession. The contractor will be notified of the availability of GFP. The contractor shall be responsible for receipt, accountability, security, storage, and reporting requirements under those processes for the GFP provided. The contractor shall acknowledge receipt of GFP to the DCMA/COR within 10 days of receipt. The contractor will receipt in Wide Area Work Flow (WAWF) as a Vendor Property Receiver. The contractor will return the GFP in WAWF as a Vendor Property Shipper. GFP shall be returned in the original condition as received. Any repairs required as a result of contractor possession and use shall be borne by the contractor at no cost to the government. The requiring activity must authorize any deviations.

b. For the purposes of this PWS, GFP items are to be reported to the Office of the Secretary of Defense (OSD) IUID Registry and Marine Corps Temporary Data Storage (TDS). In compliance with GFP requirements, DoD Contractors will electronically submit UII data to the Marine Corps TDS and OSD IUID Registry for GFP in their possession. When processing in WAWF, this OSD IUID Registry will automatically be updated with the appropriate information.

d. The contractor shall contact Contracting Officer's Representative regarding any GFP required for application of Engineering Change Proposal (ECP) (listed in Attachment 11) not previously applied, Modification Instructions not previously applied and for the LVSR Various C4I Integrated Systems A-Kits not previously applied.

PART 4

CONTRACTOR FURNISHED ITEMS AND SERVICES

4. CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES:

4.1 General. The Contractor shall furnish all supplies, equipment, facilities, materials and services required to perform work under this contract that are not listed under Section 1 of this PWS.

4.2 Contractor Furnished Materiel (CFM). The contractor may requisition material as required in the performance of this PWS through the DoD Supply System. DLM 4000.25-1 (MILSTRIP), Chapter 11, provides guidance to the contractor on the requisitioning process. The contractor's decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel, and the required completion and delivery date.

**PART 5.
SPECIFIC TASKS:**

5. **Specific Tasks.** The following specific tasks identify the requirements that the contractor shall complete during the IROAN process:

5.1. **Basic Services.** The contractor shall IROAN the LVSR armored tractor and upon completion of the IROAN process the LVSR armored tractor shall be in Condition Code "A".

5.2. **Unique Identification (UID) and Item Unique Identification (IUID) Markings.**

5.2.1. **Unique Identification Requirements.**

5.2.1.1. **IUID Marking – General.** The contractor shall implement IUID marking as defined in the latest version of MIL-STD-130, Defense Federal Acquisition Regulation Supplement (DFARS) clause 211.274-1, DFARS clause 252.245-7001, DFARS clause 252.245.7002, DFARS clause 252.211-7003, DFARS clause 252.245-7003, DFARS clause 252-245-7004, DFARS clause 252-246-7005, DFARS clause 252-246-7006, DFARS 252.211-7007, FAR Part 45, and this PWS. The IUID marking shall be incorporated by acquiring space on the existing data plates where possible. Bar Coding and the two-dimensional (2D) IUID data matrices shall be machine-readable with common optical scanning devices, and be accompanied by the corresponding Human Readable Information (HRI) when practical. The data plate shall be permanently affixed. When any item is received with an IUID mark previously applied, the contractor shall ensure the IUID mark is reapplied if the data plate is removed during the maintenance process, in accordance with permanency and legibility of MIL-STD-130.

5.2.1.2. **IUID Marking – Specific.** The contractor shall mark the components listed in (Attachment 3) with the appropriate UII markings. Prior to issuing a new UII, the contractor shall check with the Marine Corps Temporary Data Storage (TDS) and the Office of the Secretary of Defense (OSD) IUID Registry to ensure the item has not been previously registered. Class VII, IX, Controlled and Serialized Components whose IUIDs are illegible, missing or unmarked, shall be verified against both TDS and OSD IUID Registry before remarking.

5.2.1.3. **IUID Recording.** IUID marking of modifications and repairs items shall be recorded in accordance with DFARS 252.211-7007 for Government Furnished Property (GFP), MIL-STD-129, MIL-STD-130, and ANSI/ISO/ASQC Q9001-2008.

5.2.1.4. **OSD IUID Registry.** Items with new IUID, items with part number rollovers, and changes in configuration of IUID items (parent and child relationship) shall be submitted to the IUID Registry for new registration or life cycle update. For Commercial Repair Facilities, after placing marking on the items or receiving marked items from suppliers of goods, the contractor shall prepare Reparable Receiving Report (RRR). The RRR and the IUID and Valuation Information on the RRR shall be submitted to the IUID Registry via Wide Area Workflow (WAWF) or other electronic means. Data submission guidance can be found in paragraph 3.2.2.1 and 3.2.2.2, and at World Wide Web site:

http://www.acq.osd.mil/dpap/pdi/uid/data_submission_information.html.

5.2.1.5. **Marine Corps TDS.** The contractor shall for components with new IUID marking submit the marks and pedigree information to TDS. The file format for submitting to the United States Marine Corps (USMC) TDS will be posted at <https://tds-iuid.com>. In addition to the mandatory data elements for submitting the UII to the OSD IUID Registry, the National Stock Number (NSN) and serial number will be included in the submission to the Marine Corps TDS. For equipment with multiple serial numbers physically marked on the item, the priority order for use in the serial number data field is: (1) USMC serial number (not locally assigned); (2) Original Equipment Manufacturer (OEM) serial number; and (3) Third Party Logistics (3PL) provided serial number.

5.2.1.6. **Change of Item Owner for Disposal.** For any IUID marked item that is disposed of during maintenance activity because the item is considered unserviceable (Condition Code H), and the item leaves Marine Corps inventory by transfer to Defense Logistic Agency (DLA), sent to another agency for disposal, or disposed of by the contractor. The contractor shall update the OSD IUID Registry with the new item owner according to the IUID Registry definitions of the DoD, federal, or other entities in the IUID Registry Software User's Manual, Appendix B-Data Field Explanations, available at: https://iuid.logisticsinformationservice.dla.mil/documents/IUID_Website_SUM.pdf

5.2.1.7. **Life Cycle Update for Marine Corps Disposal.** For any IUID marked item that must be disposed of during maintenance activity because the item is considered unserviceable (Condition Code H), and the physical disposal takes place at the contractor such that the item leaves the government inventory as an item without transfer to DLA or other entity, the contractor shall update the OSD IUID Registry with the appropriate Life Cycle Event. The list of 22 possible Life Cycle Events and their description may be found in the IUID Registry Software User's Manual, - Data Field Explanations, Life Cycle Events Page (approximately pp. 137) available at: https://iuid.logisticsinformationservice.dla.mil/documents/IUID_Website_SUM.pdf. The eight expected depot-level disposal events are: abandoned, consumed, destroyed by accident, donated, exchanged-warranty, lost, scrapped, or stolen.

5.2.2. **OSD IUID Registry Submission.**

5.2.2.1. **Data Submission.** For the IUID Extensible Markup Language (XML) data submission method (available for new procurement, legacy, and GFP), the compressed file (zip) at the "IUID Direct Submission Information" link at http://www.acq.osd.mil/dpap/pdi/iuid/data_submission_information.html contains the (XML) format particulars and the IUID Element Structure. Each IUID XML file shall be sent to a Globe Exchange (GEX), which shall pass the information on to the OSD IUID Registry.

5.2.2.2. **Direct File Submissions.** The contractor shall utilize the GEX either directly or via a Vendor Access Network (VAN). If an organization has an existing connection, it shall contact their GEX administrator. If it does not have a connection, the IUID Registry Helpdesk can provide Vendors assistance with establishing the required connection. The IUID Registry Helpdesk can be found at iuid.helpdesk@dlamail.

Note: The filename length (including file extension) for any direct submission file must not exceed 26 characters.

The final option is to manually enter the IUID data via the production IUID Web Entry site, available for new procurement and legacy equipment (in version 3.2), and Property in the Possession of Contractors (PIPC). To do so, an organization shall register at the production IUID Registry via the website <https://iuid.logisticsinformationservice.dla.mil>. Organizations that wish to explore the functionality of the IUID Web Entry site in a non-production environment may access the IUID Registry test site via the website <https://practiceiuid.logisticsinformationservice.dla.mil>. Registration in the IUID Registry provides access to both the production site and test site. Registration is required in order to access the full functionality of the IUID Registry test site.

For assistance with IUID related questions or setting up accounts to the IUID Registry/GEX contact the IUID Helpdesk at iuid.helpdesk@dlamail.

5.3. Principal End Item UID Markings. The contractor shall mark the LVSR Principal End Item (PEI) with a data plate (Figure 1) that contains the IUID data matrix and placed placed on the left end of the dash panel which will allow scanning in an installed condition.

5.3.1. LVSR PEI Data Plate. The contractor shall ensure that the LVSR armored tractor PEI data plate is permanently affixed (with a rivet in each corner) of the data plate. Data plates shall be marked with a two dimensional IUID data matrix defined in MIL-STD-130. The contractor shall use MIL-STD-130 Figure 1 as a guide in developing the vehicle data plate. All data plate information shall also include bar coding.

5.3.2. UID Minimal Dimensions. The contractor shall ensure the dimensions for the PEI data plate replacement is 3.00" X 2.50" X .020" Thickness, Flat Black Aluminum, Laser etched and not less than 40% in contrast. UID and IUID marking hereafter is referred to 2- Data Matrix Symbol (2-DMS).

NSN 2320-01-592-7353	ID 12493A
TAMCN D00537K	Date of MFG _____
Model LVSR Armored Tractor	Contract Number _____
Cage Code 45152	VIN _____
USMC Registration	
Number _____	

Figure 1 Principal End Item Data Plate

5.3.3. List of Components Requiring UII Marking. The contractor shall mark the components listed in Table 1 with 2-DMS and shall reflect the parent child relationship. The minimum dimensions of each of the component data plate shall be 0.750" X 2.00" X 0.20" Thickness, Flat Black Aluminum, Laser etched. The 2-DMS shall be no less than 1 cm wide and no less than 40% in contrast. Attachment 3 provides UII marking location for each of the components in Table 1.

- a. The 2-DMS, no less than 1 cm wide and no less than 40% in contrast
- b. Nomenclature
- c. Part Number
- d. Original Mfg Cage Code
- e. Original Serial Number of Component

Table 1 List of Components Requiring UII Marking

Part Number	CAGE	NSN	Nomenclature
254-6042	11083	2815-01-561-3693	CAT Engine C15
3762612	45152	2520-01-558-3684	Transmission, 4700 GEN IV
3942886	45152	2520-01-566-8372	Transfer Case
3000128	45152	2520-01-472-9143	Differential, Dressed #1
3778259	45152	2520-01-590-8241	Differential, Dressed #2
3778260	45152	2520-01-591-6158	Differential Dressed #3
3778261	45152	2520-01-590-8257	Differential Dressed #4
3492992	45152	2520-01-590-8259	Differential Dressed #5
3767229	45152	2530-01-574-7930	Steering Gear, Front Drive Primary Master
3662177	45152	2530-01-539-2812	Steering Gear, Front Drive Secondary
3798854	45152	2530-01-574-7917	Steering Gear, Back Drive Primary
702 9211 014	13829	2540-01-557-0067	Motor, Direct Fan Drive Assembly
73215	0EJ14	2540-01-602-4977	Motor, Hydraulic, Winch and Cable Assembly Auxiliary
314-5155	11083	2930-01-576-3491	Pump, Assembly
3675819	45152	2590-01-598-2188	Winch and Cable Assembly, 60K
1A020231	3FQN6	4420-01-558-4773	Radiator Assembly
3464499	45152	2990-01-474-5787	Starter, 24 Volt
3692100	45152	3010-01-581-3441	Gearbox Assembly Steering
3553694	45152	2520-01-555-9892	PTO, Super Torque, PTO Assembly
M110SAT2	78222	2530-01-565-3484	Steering Gear, Back Drive Secondary
3683119	45152	6115-01-555-6342	Generator, 400 AMP
3690541	45152	2510-01-581-7030	Fifth Wheel Assembly
XA-71-OA	74410	2510-01-192-0631	Fifth Wheel Plate Assembly
3778252	45152	2510-01-591-0266	Cab, Assembly, Tractor

5.4. **Detail Tasks.** The following tasks describe the different phases for IROAN of the LVSR armored tractor.

5.4.1. **Vehicle Shipment.** The shipment of vehicles shall be the responsibility of the Government.

5.4.2. **Vehicle Receipt.** Upon receipt of the vehicle, the contractor shall identify the vehicle chassis and mounted equipment by model number, and United States Marine Corps (USMC) Registration Number. All major secondary depot reparable components noted as missing or not meeting IROAN specifications (noted in the remarks section) during the pre-induction inspection LTI shall be recorded on a Supply Discrepancy Report and submitted to the Marine Corps Logistic Command (LOGCOM) PEI Manager for action and resolution IAW established procedures. The contractor shall then store the vehicle in a secure location until scheduled for IROAN. If the contractor determines that a vehicle cannot be repaired, the contractor shall submit the pre-induction inspection LTI report to Maintenance Management Center (MMC) Master Scheduling Branch (MSB) with a recommendation to return the asset to stock as condition code P and request a replacement asset. MMC shall coordinate with Weapon System Management Center (WSMC) and PM M&HTV LMS, or ES to obtain concurrence with the contractor recommendation.

5.4.3. **Pre-Induction Inspection:** The contractor shall annotate the LVSR armored tractor Pre-Induction Limited Technical Inspection (LTI) NAVMC 10284 (Attachment 4). The contractor's Quality Assurance Representative (QAR) performing the pre-induction inspection shall print and sign their name the pre-induction inspection LTI in the maintenance officer signature block. The contractor shall retain the pre-induction inspection LTI on file and be made available to the government upon request for a period of three years.

5.4.4. **Missing Parts, Non-Reparable, or Destroyed Items.** An inspection shall be conducted by the contractor within 10 working days of receipt of vehicle to identify missing, non-reparable, or destroyed items. The contractor shall only inspect those items deemed as reparable and reusable in the IROAN repair of the LVSR armored tractor. Mandatory replacement items shall not be inspected because they are going to be replaced during the IROAN process. Major secondary depot reparable components (engine, transmission, transfer case, axle assemblies) identified as missing or not meeting IROAN specifications during the pre-induction inspection process shall be deemed not available for IROAN and shall require replacement with a component that can be rebuilt. These items shall be replaced or invoiced under the terms of this provision. The contractor shall submit an addendum to the pre-induction inspection LTI, a Rough Order of Magnitude (ROM) for increased repair cost and request for additional funds to LOGCOM SMB, MMC, and MSB with notification of an unavailable part (i.e., nonconforming, non-reparable or destroyed part) identified during the teardown IROAN process. For any other major secondary depot reparable component that is determined to be missing after the initial inspection, the contractor maintains the right to submit for a replacement component or payment for that component via the Government if the omission was due to access availability at the time of inspection (i.e. war damage precluded the physical observation of the component at the time of inspection). All claim disputes shall be handled by the PM M&HTV LMS.

5.4.5. **Phase I - Pre-Induction.** The contractor shall perform an IUID pre-induction inspection and the findings shall be annotated on the IUID/UII Pre-Induction Checklist (Attachment 5). During pre-screening inductions, the contractor shall verify the presence of an IUID mark, and

validate the IUID matrix and UII (internal coded data identifier) against MIL STD 130, and item pedigree information in the USMC TDS and OSD IUID Registry.

5.5. Phase II - IROAN. IROAN of the LVSR armored tractor shall be accomplished in accordance with this PWS, TM 2320-DE/1, and TM 11316A/12493A-OR/1 at the contractor facility. IROAN of the LVSR armored tractor shall be accomplished by the application of contractor maintenance techniques by experienced journeyman level personnel to meet quality standards and inspection criteria. All LVSR armored tractors shall be upgraded to the latest configuration to include applicable Modification Instructions and the Engineering Change Proposals (ECP) listed in Depot Repair Engineering Change Proposal Verification and Application Report (Attachment 11) and the LVSR Various C4I Integrated Systems A-Kits listed in paragraphs 5.5.52 through 5.5.52.5.

a. The contractor shall ensure that all components, assemblies, or sub-assemblies that require replacement during the IROAN of the LVSR armored tractor shall be replaced with components, assemblies or subassemblies that meet or exceed OEM specifications.

b. The contractor shall ensure that all data plates match the new configuration of the vehicle after completing the IROAN process.

c. The contractor shall verify application of all ECPs listed in the Depot Repair Engineering Change Proposal Verification and Application Report (Attachment 11).

5.5.1. Frame Assembly. The contractor shall inspect and repair or replace, as necessary, the frame assembly. The contractor shall ensure frames are corrosion free. The contractor shall repair or replace all worn or damaged brackets and mounts. The contractor shall replace cracked or otherwise damaged crossmembers and any other damaged frame assembly components.

5.5.2. Axle Assemblies. The contractor shall inspect and repair or replace, as necessary, all axle assemblies.

5.5.3. Truck Engine and Accessories. The contractor shall inspect and repair or replace, as necessary, the engine and accessories to dress the engine.

5.5.4. Starter. The contractor shall inspect and repair or replace, as necessary, the starter.

5.5.5. Alternator. The contractor shall inspect and repair or replace, as necessary, the 400 ampere alternator.

5.5.6. Transfer Case. The contractor shall inspect and repair or replace, as necessary, the transfer case.

5.5.7. Transmission. The contractor shall inspect and repair or replace, as necessary, the transmission. The contractor shall replace all transmission cooler hoses and the rear output seal.

- 5.5.8. **Main Winch.** The contractor shall inspect and repair or replace, as necessary, the winch and associated components.
- 5.5.8.1. **Auxiliary Winch.** The contractor shall inspect and repair or replace, as necessary, the auxiliary winch and associated components.
- 5.5.8.2. **Winch Cables and Clevises.** The contractor shall replace the winch cables and clevises. The winch cables shall have Carwell lubrication applied to the entire cable.
- 5.5.9. **Hydraulic Reservoir and Auxiliary Reservoir.** The contractor shall inspect and replace any defective hydraulic and auxiliary reservoir.
- 5.5.10. **Truck Cab and Components.** The contractor shall inspect and repair or replace, as necessary, the cab and components.
- 5.5.10.1. **Dash Switches, Gauges and Deicer.** The contractor shall inspect and repair or replace, as necessary, all switches and gauges in the dash panel. The contractor shall inspect and repair or replace, as necessary, the deicer.
- 5.5.10.2. **Warning Lights, Flashers and Buzzers.** The contractor shall inspect and repair or replace, as necessary, all warning lights, flashers and buzzers in the dash panel.
- 5.5.10.3. **Windshields and Door Glass.** The contractor shall inspect and replace, as necessary, ballistic glass in the windshields and doors.
- 5.5.11. **Gladhands.** The contractor shall inspect and repair or replace, as necessary, all gladhands.
- 5.5.12. **Stowage Boxes, and Crossmembers.** The contractor shall inspect and repair or replace, as necessary, the stowage boxes. The contractor shall ensure all non-standard holes are plugged, patched or re-drilled to standard. The contractor shall inspect and repair or replace, as necessary, the crossmembers.
- 5.5.13. **Radiator and Charge Air Cooler Assembly (CAC).** The contractor shall inspect and repair or replace, as necessary, the radiator and CAC.
- 5.5.14. **Propeller Shafts.** The contractor shall inspect and repair or replace, as necessary, the propeller shafts.
- 5.5.15. **Hydraulic Cylinders, Hydraulic Pump and Power Take-Offs (PTOs).** The contractor shall inspect and repair or replace, as necessary, the hydraulic cylinders, hydraulic pump and PTOs.
- 5.5.16. **Cooling Fans and Fan Motors.** The contractor shall inspect and repair or replace, as necessary, the cooling fans and fan motors

- 5.5.17. **Slave Hydraulic System**. The contractor shall inspect and repair or replace, as necessary the slave hydraulic system.
- 5.5.18. **Fifth Wheel Assembly**. The contractor shall inspect and repair or replace, as necessary, the fifth wheel assembly and associated components.
- 5.5.19. **Fifth Wheel Ramps**. The contractor shall inspect and repair or replace, as necessary, the fifth wheel ramps.
- 5.5.20. **Steering System**. The contractor shall inspect and repair or replace, as necessary, the steering system (steering column, steering pump and gears).
- 5.5.21. **Fuel Tank**. The contractor shall inspect and repair or replace, as necessary, the fuel tank. The contractor shall replace any fuel tank that is missing the Department of Transportation (DoT) 393.67 fuel tank certification tag. Any fuel tank missing the certification tag shall be considered a non-standard part and treated as a non-standard part per paragraph 5.5.49 of this PWS. The contractor shall fill the fuel tank to ¼ full (40 gal) with commercial grade diesel per ASTM D975 upon completion of the IROAN process.
- 5.5.22. **Wheels**. The contractor shall inspect and repair or replace, as necessary, the wheels. The contractor shall perform wheel alignment.
- 5.5.23. **Tires**. The contractor shall replace any unservicable tires or tires with less than ¼ inch tread. Refer to TM 9-2610-200-14. The contractor shall replace all "O" rings when tires are replaced.
- 5.5.24. **Mudflaps**. The contractor shall inspect and replace any unservicable mudflaps.
- 5.5.25. **Brake System**. The contractor shall inspect and repair or replace, as necessary, the brake system.
- 5.5.26. **Hub and Brake Drum**. The contractor shall inspect and repair or replace, as necessary, all hubs and brake drums.
- 5.5.27. **Antilock Brake System**. The contractor shall inspect and repair or replace, as necessary, the the antilock brake system.
- 5.5.28. **Central Tire Inflation System (CTIS)**. The contractor shall inspect and repair or replace, as necessary, the CTIS.
- 5.5.29. **Batteries, Battery Cables and Battery Box**. The contractor shall replace all batteries, with NSN 6140-01-446-9506. The contractor shall replace all defective battery cables. The contractor shall inspect and repair or replace, as necessary, the battery box and associated components.

- 5.5.30. **Lights**. The contractor shall inspect and replace all defective bulbs and unserviceable light emitting diodes.
- 5.5.30.1. **Beacon Light Assemblies and Mounting Posts**. The contractor shall inspect and repair or replace, as necessary, the beacon light assemblies and mounting posts.
- 5.5.30.2. **Work Light Assembly**. The contractor shall inspect and repair or replace, as necessary, the work light assembly.
- 5.5.31. **Suspension Components**. The contractor shall inspect and repair or replace, as necessary, the suspension components.
- 5.5.31.1. **Suspension Accumulators**. The contractor shall inspect or replace, as necessary, any defective hydraulic suspension accumulators.
- 5.5.31.2. **Suspension Main Manifold**. The contractor shall inspect or replace, as necessary the hydraulic suspension main manifold.
- 5.5.32. **Treadle Valves, Air Dryers, and After Coolers**. The contractor shall inspect and repair or replace, as necessary, treadle valves, parking brake valve, trailer supply valve, relay valves brake chambers, air dryers, and after coolers.
- 5.5.33. **Air Tanks and Air Reservoirs**. The contractor shall inspect and repair or replace, as necessary, all air tanks and air reservoirs.
- 5.5.34. **Air Compressor**. The contractor shall inspect and repair or replace, as necessary, the air compressor.
- 5.5.35. **Air Governor Assembly**. The contractor shall inspect and repair or replace, as necessary, the air governor assembly.
- 5.5.36. **Air Cleaner**. The contractor shall inspect and repair or replace, as necessary, the air cleaner. The contractor shall replace the filter element. The contractor shall inspect and repair or replace, as necessary, the intake air piping assembly.
- 5.5.37. **Air Condition System**. The contractor shall inspect and repair or replace, as necessary, the Air Conditioning (AC) system. The contractor shall inspect and repair or replace, as necessary, the AC compressor.
- 5.5.38. **Vent Hoses and Transmission Breather**. The contractor shall inspect and replace any defective vent hoses. The contractor shall replace the transmission breather.
- 5.5.39. **Fuel and Water Separator Assembly**. The contractor shall inspect and repair or replace, as necessary, the fuel and water separator assembly.

- 5.5.40. **Fuel Priming and Fuel Sending Unit.** The contractor shall inspect and repair or replace, as necessary, the fuel priming and fuel sending unit.
- 5.5.41. **Turbocharger Assembly.** The contractor shall inspect and repair or replace, as necessary, the turbocharger.
- 5.5.42. **Remote Control Unit (RCU).** The contractor shall inspect and repair or replace, as necessary, the RCU. The contractor shall also use the RCU when testing the winch system.
- 5.5.43. **Rust and Corrosion Removal.** The contractor shall ensure that all rust and corrosion are removed.
- 5.5.44. **Stencils and Final Paint.** The contractor shall paint the exterior and interior with Chemical Agent Resistant Coating (CARC). Painting shall be IAW MIL-DTL-53072 and TM 4750-OD/1. All vehicles shall be painted the same color as inducted into the IROAN program. The contractor shall not paint the various locking pins.
- 5.5.45. **Corrosion Control.** TM 4750-OD/1 shall be used to rustproof the LVSR.
- 5.5.46. **Undercoating.** The contractor shall use SG510A, as used on the original production vehicles for undercoating the vehicle. During the undercoating process the contractor shall not apply SG510 to non-metallic hoses, wiring harnesses, grease fitting, and data plates.
- 5.5.47. **Basic Issue Items (BII).** The contractor shall not replace BII.
- 5.5.48. **Components of End Item (COEI).** The contractor shall inspect and repair or replace, as necessary, all COEI. The contractor shall ensure that any COEI not installed on the vehicle are put in a wooden crate with an inventory of items located inside and outside the crate (in a protective cover). All COEI installed on the vehicle should be noted on the inventory sheet "as installed on vehicle". The contractor shall stencil the crate with the letters "COEI for PEI NSN _____". The crate shall be put in the bed of the tractor prior to Defense Contract Management Agency (DCMA) inspection and acceptance.
- 5.5.49. **Unauthorized Modifications and Non-Standard Parts.** The contractor shall remove all unauthorized modifications and non-standard parts that have been added to the vehicle prior to the LVSR armored tractors being repaired. These unauthorized modifications and non-standard parts shall be declared as scrap and shall be disposed of IAW Defense Materiel Disposition Manual (DMDM) DoD 4160.21-M and the contractor established disposal procedures.
- 5.5.50. **Surplus and Excess Components.** Material removed that is no longer usable shall be declared as scrap and shall be disposed of IAW DoD 4160.21-M and the contractor standard scrap disposition.
- 5.5.51. **Armor.** The contractor shall ensure that all armor and components are removed, cleaned, inspected, and repainted prior to re-installing the armor on the vehicle. Unservicable

armor shall be replaced with new armor. Unservicable armor shall be disposed IAW DMDM DoD 4160.21-M and the contractor established disposal procedures. Vehicle exterior and interior, shall be painted IAW MIL-DTL-53072 and TM 4750-OD/1 with CARC.

5.5.52. Machine Gun Mount. The contractor shall IROAN or replace the Machine Gun Mount (Tan), NSN 1005-01-598-5583, PN 3829492 or Machine Gun Mount (Green), NSN 1005-01-598-5581, PN 3847022, dependent on vehicle color, IAW TM 2320-DE/1. The Machine Gun Mount shall be installed on the LVSr IAW TM 2320-DE/1. The contractor shall ensure Modification Instruction (MI) 12481A/12493A-ID/1 is completed on each LVSr Tractor machine gun mount per the MI during the IROAN process.

5.5.53. Marine Corps Transparent Armor Gun System (MCTAGS). The contractor shall IROAN or replace the MCTAGS IAW TM 11466A-OR. The MCTAGS shall be the same color as the vehicle. The contractor shall ensure a Condition Code "A" MCTAGS Kit, less the M1114 Adapter Kit components installed on the Machine Gun Mount per paragraph 5.5.49 of this PWS, is put in a wooden crate with an inventory of items located inside the crate. The MCTAGS Kit, NSN 2540-01-546-4267, PN 4273485 consists of three separate kits: MEF Rhino Kit, PN 4270340; M1114 Adapter Kit, PN 4273495; and Telescopic TAGS Kit, PN 4273497. One copy of the inventory sheet shall be put inside the crate and one copy of the inventory sheet (in a protective cover) shall be attached to the outside of the crate. The contractor shall stencil the crate with the letters "LVSr MCTAGS NSN 2540-01-546-4267" along with the color of the kits. The crates shall be loaded on the back of the vehicle prior to Distribution Management Center (DMC) or Defense Contract Management Agency (DCMA) inspection.

5.5.54. Battery Powered Motorized Traversing Unit (BPMTU) and the Manual Traversing Unit (MTU). The contractor shall IROAN or replace the Battery Powered Motorized Traversing Unit (BPMTU) and the Manual Traversing Unit (MTU) IAW TM 11466A-OR. The contractor shall ensure a Condition Code "A" Battery Powered Motorized Traversing Unit (BPMTU), NSN 2510-01-602-4970, PN 6444909-01M1 and a Condition Code "A" Manual Traversing Unit (MTU) Installation Kit, NSN 3830-01-536-4083, PN 6435129-01M1 are placed in the crate with the MCTAGS.

5.5.55. Various C4I Integrated Systems A-Kits. The contractor shall install the LVSr Various C4I Integrated System A-Kits, on the AMKR16 during the IROAN process. The contractor shall prepare and install the items IAW TM 2320-DE per the following paragraphs: Pre-Integration, paragraph 2; General Information, paragraphs 2.1 through 2.1.4; Tear Down, paragraphs 2.2 through 2.2.7; Welding and Plasma Cutting, paragraphs 2.3 through 2.3.4; Metalwork, paragraphs 2.4 through 2.4.7; Power, paragraphs 2.5 through 2.5.3; and Headliner Modification paragraphs 2.6 through 2.6.3. with the exception of the Sight Glass Gauge Cover Installation paragraph 2.4.6 which will not be installed during the IROAN of the AMKR16. The contractor will not install the Marine Corps Transparent Armor Gun Shield (MCTAGS) or install any of the miscellaneous items in TM 2320-DE paragraphs 7.1 through 7.2.18.

5.5.55.1. ELECTRONIC COUNTERMEASURE.

a. The contractor shall install the electronic countermeasure Crew Vehicle Receiver Jammer (CVRJ) A-Kit IAW TM 2320-DE paragraphs 3.1.1 through 3.1.10.

b. The contractor shall not install the components listed in Table 2, which is an extract from TM 2320-DE Table 3-1, during the IROAN process.

c. The contractor shall contact the Contracting Officer's Representative for disposition instruction if any of the components listed in TM 2320-DE Table 3-1 is on the vehicle.

Table 2. Electronic Countermeasure Components

Seq	QTY	Main Descriptor	Specification	OEM Part Number	Mil Spec or NSN
25	1	Component	RAM SWIVEL MOUNT ASSEMBLY	CRANE 06017A0007	TBD
26	1	Component	CVRJ R/T	CRANE 794110-02	5865-01-553-4770
27	1	Component	ANTENNA, GPS, 3.3 V	CRANE 603776-02	5985-01-562-4094
28	1	Component	RISER, 18"	First RF Corp FRF-C-1014-18	TBD
29	1	Component	ANTENNA, HIGH BAND FRF-115	First RF Corp FRF-115	TBD
30	1	Component	ASSEMBLY, RCU	CRANE 793507-01	5895-01-553-5738
31	1	Component	ANTENNA, DUAL BAND FRF-105D	First RF Corp FRF-105D	TBD
32	1	Kit	CVRJ Cover Kit	CRANE 60902A4000	TBD

5.5.55.2. SURVEILLANCE-TRACKING.

a. The contractor shall install the surveillance-tracking Blue Force Tracker (BFT) A-Kit IAW the procedures in TM 2320-DE paragraphs 4.1.1 through 4.1.18.

b. The contractor shall not install the components listed in Table 3, which is an extract from TM 2320-DE Table 4-1, during the IROAN process.

c. The contractor shall contact the Contracting Officer's Representative for disposition instruction if any of the components listed in TM 2320-DE Table 4-1 is on the vehicle.

Table 3. Surveillance-Tracking Components.

Seq	QTY	Main Descriptor	Specification	OEM Part Number	Mil Spec or NSN
6	1	Component	CPU, J5 AN/UYK- 128(V)	DRS Tactical 9800-07060-9030	7021-01-554-2707
7	1	Component	Display, Unit, 10"	DRS Tactical 9800-07090-9007	7025-01-526-5612
8	1	Component	Keyboard, Unit	DRS Tactical 9800-07010-9005	7025-01-496-9879
9	1	Component	Device, Serial Interface Adapter	NGMS 881331-1	4920-01-478-3722
10	1	Component	Tray, Sliding Keyboard	USMC CAGE 01365 07006B0620	5975-01-603-7708
11	1	Component	Assy, Switch (PDU)	Rock Island Arsenal A1-36044D-001	6130-01-514-5107
12	1	Component	Antenna, Remote DAGR	Rockwell Col 013-1981-010	5985-01-502-6692
13	1	Component	Mount, DAGR	Rockwell Col 987-5006-001	5975-01-521-3063
14	1	Component	ISO Mount, CPU Assembly	NGMS 872826-1	5340-01-481-5742
15	1	Component	Display, Shock Mount	NGMS 872870-1	5340-01-481-5757
16	1	Component	Antenna, MT- 2011	COMTECH	5895-01-551-7316

5.5.55.3. DRIVER VISION ENHANCER.

- a. The contractor shall install the Driver Vision Enhancer (DVE) A-Kit IAW the procedures in TM 2320-DE paragraphs 4.2.1 through 4.2.7.
- b. The contractor shall not install the components listed in Table 4, which is an extract from TM 2320-DE Table 4-4, during the IROAN process.
- c. The contractor shall contact the Contracting Officer's Representative for disposition instruction if any of the components listed in TM 2320-DE Table 4-4 is on the vehicle.

Table 4. Driver Vision Enhancer Components.

Seq	QTY	Main Descriptor	Specification	OEM Part Number	Mil Spec or NSN
2	1	Component	(Primary) Display Module	DRS 6455160	5980-01-525-1688
3	1	Component	(Alternate) Display Module	BAE 304422-705	TBD
4	1	Component	(Primary) Sensor	DRS 6455000	5855-01-525-1631
5	1	Component	(Alternate) Sensor	DRS 1001331-101	5855-01-525-1631
6	1	Component	(Alternate) Sensor	DRS/ 1000613-101	5855-01-588-3763
7	1	Component	(Primary) Joystick, Controller	DRS 06090136-1	5998-01-625-1521
8	1	Component	(Alternate) Joystick, Controller	DRS 06090135-1	5998-01-565-8125
9	1	Component	(Alternate) Joystick, Controller	BAE CM575	TBD
10	1	Component	(Alternate) Joystick, Controller	DRS 1001318-102	TBD
11	1	Component	(Alternate) Joystick, Controller	DRS 1000472-019	6110-01-591-0045
12	1	Component	Bracket, Assembly, Sensor	DRS 06090114-1	5340-01-565-8553
13	1	Component	Case, Ruggedized	DRS 06090119-1	8145-01-565-8035
14	1	Component	(Primary) Electric Pan Tilt Assembly	DRS 06090141-1	5998-01-625-1520
15	1	Component	(Alternate) Electric Pan Tilt Assembly	DRS 06090140-1	5998-01-565-8542
16	1	Component	(Alternate) Electric Pan Tilt Assembly	DRS 1001318-101	TBD

Table 4. Driver Vision Enhancer Components Continued

17	1	Component	(Alternate) Electric Pan Tilt Assembly	BAE 7-12175-CBLK	TBD
18	1	Component	(Alternate) Electric Pan Tilt Assembly	DRS 1000472-019	6110-01-591-0045
19	1	Component	Cover, Protective, Receptacle	DRS 660-024NF13R4- 107-81A	5935-01-564-4615
20	1	Component	Bulkhead Connector	Glenair Inc 947- 114NF15-35P01	5935-01-565-8082

5.5.55.4. **COMMUNICATIONS.**

- a. The contractor shall install the Tactical Operations Command Network V (TOCNET-V) A-Kit IAW the procedures in TM 2320-DE paragraphs 5.1.1 through 5.1-9.
- b. The contractor shall not install the components listed in Table 5, which is an extract from TM 2320-DE Table 5-1, during the IROAN process.
- c. The contractor shall contact the Contracting Officer's Representative for disposition instruction if any of the components listed in TM 2320-DE Table 5-1 is on the vehicle.

Table 5. Tactical Operations Command Network V Components

Seq	QTY	Main Descriptor	Specification	OEM Part Number	Mil Spec or NSN
1	1	Component	Driver Trim-V	5459600-001	TBD
2	1	Component	A-Driver Trim Dual-V	5459700-001	TBD
3	1	Component	MCSU-V	5459300-001	TBD
4	3	Component	Headset, Raptor	RA5000/1/1025	TBD
9	1	Component	Cradle, Assembly	Thales Comm 4102350-501	5975-01-585-5626

5.5.55.5. AN/VRC-113.

- a. The contractor shall install the AN/VRC-113 Kit IAW the procedures in TM 2320-DE paragraphs 5.2.1 through 5.2.13.
- b. The contractor shall not install the component listed in Table 6, which is an extract from TM 2320-DE Table 5-5, during the IROAN process.
- c. The contractor shall contact the Contracting Officer's Representative for disposition instruction if the component listed in TM 2320-DE Table 5-5 is on the vehicle

Table 6. AN/VCR-113 Component

Seq	QTY	Main Descriptor	Specification	OEM Part Number	Mil Spec or NSN
3	1	Component	Cradle, Assembly	Thales Comm 4102350-501	5975-01-585-5626

5.5.56. Modification Instructions (MI): The contractor shall ensure the following MI are installed.

- a. MI 11316A/12493A-OI/1. Reducible Ramp Install on LVSR Tractor
- b. MI 11316A/12493A-ID/1. Tensioner Assembly Install on LVSR
- c. MI 12481A/12493A-ID/1. M1114 Adapter Kit Install on LVSR
- d. MI 11316A/12493-OR/1. Truck Tractor MKR16
- e. MI 11313B/11316B/11321B-ID/1. LVSR Automatic Fire Extinguishing System
- f. MI 2320-ID/9. Improved Light Kit Install on LVSR
- g. MI 2320-ID/8. Sight Glass Guard Install on LVSR
- h. TI 11313A-OD. Changing Battery Type Setting W/400 Ampere Alternator

5.6. Mandatory Replacements. The contractor shall replace the following components:

- Wiper Blades
- All filter elements
- Transmission breather
- Fasteners and fittings removed during tear down and refurbishment process
- All belts

Mandatory Replacements Continued

- All fluids
- ~~XXXXXXXXXXXXXXXXXXXX~~
- Non-Metallic rubber hoses
- Winch cable and clevises
- Batteries
- Slip joint seals
- CTIS seals at the wheel ends
- Storage box rubber seals
- All rubber boots on the tie rod ends
- All rubber boots on the non steer link assemblies
- All rubber boots on the anti sway bars
- Ether Start Kit

5.7. **IROAN Data Plate.** The contractor shall install an IROAN data plate on the inside driver's door jamb, above the PEI IUID data plate. This data plate (Figure 2.) shall be constructed of metal and attached (with a rivet in each corner) after the vehicle has completed the IROAN process placed. The data plate shall be 3.00" X 2.50" X .020 and contain the following information:

USMC REGISTRATION NUMBER _____
IROAN DATE _____
ENGINE HOURS _____ ENGINE MILES _____
REPAIRED IN ACCORDANCE WITH TM 2320-DE/1.
CONTRACTOR _____

Figure 2. IROAN Data Plate

5.8. **Vehicle Data Plates.** The contractor shall ensure that all data plates reflect the latest configuration. The contractor shall ensure all vehicle data plates are permanently affixed utilizing a rivet in each corner of the data plate.

5.9. **Hardware.** The contractor shall replace all broken, unserviceable, and missing hardware including nuts, bolts, screws, washers, and turn lock fasteners.

5.10. **Pintle Hook.** The contractor shall inspect and repair or replace the pintle hook.

5.11. Phase III - Inspection, Testing, and Acceptance.

- a. The contractor Quality Assurance Representative (QAR) shall perform a final inspection IAW Final Inspection Record (FIR) (Attachment 7) of each LVSR repaired. All FIR deficiencies noted during the inspection or testing shall be corrected prior to inspection and acceptance by the Defense Contract Management Agency (DCMA) QAR at the contractor facility. The contractor shall give DCMA QAR at least one week notice that the vehicles are ready for inspection and acceptance. The contractor shall put a copy of Attachment 7 in the cab (in a protective cover) prior to the DCMA QAR inspection for their review.
- b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel from the production line and quality assurance are available to complete the acceptance testing. The test area shall be cleared of all equipment parts and components not required for testing.
- c. The contractor shall be responsible for correcting all deficiencies identified during final inspection by DCMA and may require the contractor to repeat tests or portions thereof, if the final inspection fail to demonstrate compliance with this PWS.
- d. The contractor shall ensure the acceptance testing is accomplished IAW TM 2320-DE/1, and TM 11316A/12493A-OR/1 and this PWS on all LVSR armored tractors being IROAN under the provisions of this PWS.
- e. The contractor shall upon completion of the IROAN of the LVSR armored tractor and IAW this PWS road test the LVSR armored tractor. The LVSR armored tractor shall be driven for at least 25 miles at varying speeds. During the road test the minimum speed the vehicle shall attain on level highway shall be 45 Miles per Hour (MPH). The road test shall include sharp (90 degree) turns. For each ten (10) miles traveled at least one sudden stop shall be accomplished. All gears of the transmission, including reverse, shall be used during the road test. Transfer and differential locks shall be engaged and disengaged a minimal of 10 times during the road test. The contractor shall upon completion of the road test, thoroughly examine all equipment, doors, control devices, and other functional parts shall be tested for proper operation and ensure there are no air or oil leaks.
- f. After the road test the contractor shall park the vehicle on an approximately 10 percent side slope for approximately 30 minutes and then re-inspect all axles for oil leaks. This procedure shall be done for the left and right side.
- i. The contractor shall complete the IUID/UII Final Assembly Checklist (Attachment 6) during the final inspection and acceptance testing to validate that the IUID mark is present, scannable, UII is validated in TDS, and UII is validated in IUID Registry.
- j. The contractor shall complete Attachment 7 during the final inspection and provide a copy of attachment 7 to the DCMA QAR.

5.12. **Rejection.** Failure to comply with any of the specified requirements listed herein shall be reason for rejection by DCMA QC; PM M&HTV LMS, or ES representatives. The contractor shall at no additional cost provide the following:

a. The contractor shall develop an approach for correction of all deficiencies provided by DCMA QC; PM M&HTV representatives after their inspection.

b. The contractor shall notify DCMA QC, and PM M&HTV LMS, or ES, representatives stating that all corrections have been completed that were noted on the inspection report and the vehicle is ready for a final inspection.

c. All deficiencies identified shall be corrected no later than 5 working days after receiving the final inspection report from any of the above representatives.

5.13. **Guarantee of Work.** The contractor shall provide a record guaranteeing workmanship that includes material quality and other performing characteristics to the contracting officer. The contractor shall ensure that subcontractors and vendors are held to a minimum of such requirements which may also include warranties. The contractor shall provide a list of all components that has a warranty to the contracting officer.

5.14. **Marking and Identification.** For shipment and storage of all PEI, marking shall be in accordance with MIL-STD-642_ and MIL-STD-129_ ensuring the use of the Military Shipping Label (MSL).

5.15. **Shipping Instruction.**

a. The Marine Corps COR will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the predestinated site(s). The Marine Corps will be responsible for transportation costs associated with the shipping the subject equipment to and from the contractor facility. The PEI batteries shall be hot and connected to the vehicle electrical system.

b. The contractor shall be responsible for Preservation, Packaging and Preparation (PP&P) for shipment of PEI being repaired under the terms of this PWS. The contractor shall prepare the PEI for shipment or transit considering immediate use upon receipt by customer and in accordance with the requirements of MIL-STD-3003(AT) and MIL-STD-2073, Method 10 (Physical protection).

5.16. **Configuration Control.**

a. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization from the Program Office. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation (RFD). MIL-HDBK-61_ and ANSI/EIA-649-2011 provide guidance for preparing this configuration control document. The contractor shall

ensure all RFD submissions identify the precise vehicle serial numbers affected by the deviation. If necessary, the contractor may propose a permanent change to the configuration of the established baseline by initiating a Preliminary Engineering Change Proposal (PECP) through Multi-User Engineering Change Proposal Automated Review System (MEARS). The purpose of a PECP is to address the impact of proposed changes in general terms sufficient enough for the Program Office to determine if a formal ECP is warranted.

b. The creation and submission of PECP and RFD shall be accomplished using the MEARS software application that resides at a secure website, <https://mears1.redstone.army.mil>. The contractor shall request user-id and password privileges from the requiring office (P706) for the purpose of gaining access to the web site. The contractor shall direct any technical or functional questions concerning usage of MEARS software to the requiring office for guidance. The contractor shall notify the requiring office by electronic mail when completed PECP or RFD are ready for formal submission.

5.17. **Configuration Status Accounting (CSA)**. The contractor shall utilize the MEARS Implementation Module as a means of facilitating accurate Configuration Status Accounting records. The contractor shall obtain instructions for use and access to the MEARS Implementation Module from the requiring office (P706). The contractor shall electronically submit CSA to the Requiring Office via MEARS Implementation Module at <https://mear.1.redstone.army.mil/>. Per DI-CMAN-81253A, CSA information shall be provided in contractor's format. The content shall include, where applicable, information about the following:

- a. Specifications generated for this project.
- b. Drawings generated for this project.
- c. Software listings generated for this project.
- d. Supporting documents (such as test procedures, reports, analyses) generated as a part of this project.
- e. Special identifiers utilized to "tag" parts, assemblies, software, used in the product.
- f. Listings of parts installed in each serial-numbered product as delivered as changed through maintenance and modification activities.
- g. Engineering changes and their implementation activities.
- h. Deviations and activities related to obtaining the consideration.
- i. Configuration audit action items and their closeout.
- j. For each project document, organizations performing the roles of Current Document Change.

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (in the CSA sections of Tables 2-1, 2-2, 2-3 and 2-4 and in paragraph 5 and Table 5-1) and ANSI/EIA-649-2011, National Consensus Standard for Configuration Management (paragraph 5.4) may be used to select/describe the detailed information elements.

5.18. Reports.

5.18.1. Road Test and Final Inspection Checklist. The contractor shall complete the Final Inspection Record (Attachment 7) for each LVSR armored tractor repaired. This checklist shall be completely filled out and available during for final inspection by the DCMA Quality Control (QC); PM M&HTV LMS, or ES representatives.

5.18.2. Monthly IROAN Reports and Monthly IROAN Checklists. The contractor shall complete the LVSR IUID/UII Pre-Induction Checklist (Attachment 5), IUID/UII Final Assembly Checklist (Attachment 6), LVSR Monthly IROAN Checklist (Attachment 9) and the List of Secondary Reparable to be IUID Marked (Attachment 10) and submit an electronic copy (Excel format) no later than the 10th of the month for all vehicles completed for the previous month to the PM M&HTV LMS; PM M&HTV ES; PM M&HTV Program Logistician; Weapon System Management Center; Weapon System Support Manager, and Material Manager. The contractor shall submit electronic copy of LVSR Monthly Maintenance Production Report (Attachment 8) to smblogcommmcsb@usmc.mil no later than the 10th of every month. The contractor shall submit electronic copy of Depot Repair Engineering Change Proposal Verification and Application Report (Attachment 11) to PM M&HTV, PMM 206.2, Program Logistician, Gerald Arrington; gerald.arrington@usmc.mil no later than the 10th of the month for all LVSRs completed the previous month.

5.18.3. Reports for LOGCOM. The contractor shall complete the Physical Inventory Document (Attachment 12) and submit to smblogcommmcmob@usmc.mil. The contractor shall complete the following reports and submit to smblogcommmcsb@usmc.mil COMSEC Material Report (Attachment 13); DD Form 1149 Requisition and Invoice/Shipping Document (Attachment 14); DD Form 1148 Issue Release/Receipt Document (Attachment 15), Weekly CCIR Material Report (Attachment 16) and Marine Corps Logistic Command Discrepancy Report (Attachment 17).

PART 6
APPLICABLE PUBLICATIONS

6.1. **Applicable Documents.** The following documents form a part of this PWS to the extent specified. Copies of Military Specifications and Standards are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697-6396, DSN 442-6396, or on the Internet at <https://assist.dla.mil>. Copies of other government documents and publications required by Contractors in connection with specific PWS requirements shall be obtained from Marine Corps Logistics Command, 814 Radford Blvd., STE 20250, Publication Warehouse 1231, Albany, Georgia 31704-0250, commercial telephone number (229) 639-5412 or DSN 567-5412. Copies of engineering drawings, document drawings if applicable, shall be obtained from the Marine Corps Joint Engineering Data Management Information Control System (JEDMICS). Access to engineering drawing/documents, for read purpose only, may be obtained by accessing JEDMICS located on the following site: <https://jedmicsweb.logcom.usmc.mil>, click: New User Access Request. In the event of conflict between the documents referenced herein and the contents of this PWS, the contents of this PWS shall be the superseding requirement.

6.1.1. All Technical Manuals (TM), Military Specifications, Military Standards, and Other Government Documents and Publications used to perform the IROAN for this PWS shall be current edition as the date of the contract award.

6.1.2. The Contractor shall abide by all applicable Military Specifications, Military Standards, publications, manuals, and local policies and procedures.

6.2. **Military Specifications**

MIL-PRF-32348

Powder Coating Camouflage Chemical Agent
Resistant System

6.3. **Military Standards**

MIL-STD-129

DoD Standard Practice: Military Marking for
Shipment and Storage

MIL-STD-130

Identification Marking of U. S. Military Property

MIL-STD-2073

DoD Standard Practice for Military Marking

MIL-STD-3003	Preparation for Shipment and Storage Wheeled Vehicles
MIL-DTL-53072	Chemical Agent Resistant Coating (CARC) System Application Procedures and Quality Control Inspection
MIL-STD-642	DoD Standard Practice for Identification Marking of Combat and Tactical Transport Vehicles

6.4. Other Government Documents and Publications

DFARS 211.274-1	Defense Federal Acquisition Regulation Supplement (DFARS) Item Identification
DFARS 252.245-7001	Tagging, Labeling, and Marking of Government Furnished Property
DFARS 252.245-7002	Reporting Loss of Government Property
DFARS 252.211-7003	Defense Federal Acquisition Regulation Supplement Item Identification and Evaluation
DFARS 252.245-7003	Contractor Property Management System Administration
DFARS 252.245-7004	Reporting, Reutilization, and Disposal
DFARS 252.246-7005	Notice of Warranty Tracking of Serialized Items
DFARS 252.246-7006	Warranty Tracking of Serialized Items
DFARS 252.211.7007	Item Unique Identification of Government Property
FAR PART 45	Federal Acquisition Regulation (FAR) Identification and Registration Markings
DLM 4000.25-1	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
DoD 4160.21-M	Defense Demilitarization Manual
TM 2320-DE/1	LVSr Sustainment Interactive Electronic Technical Manual (IETM)
TM 11316A/12493A-OR/1	Truck, Tractor, 10X10, AMKR16
TM 11466A-OR	Technical Manual for Improved Armor Set, Supplemental, Small Arms – Fragmentation Protective Kit

TM 4750-OD/I	Painting and Registration Markings for Marine Corps Combat and Tactical Vehicles
TM 2320-DE	LVSr Various C4I Integrated Systems
TM 9-2610-200-14.	Technical Manual, Operator's Unit, Direct Support, and General Support Maintenance Manual for Care, Maintenance
MI 11316A/12493A-OI/I	Reducible Ramp Install on the LVSr Tractor
MI 11316A/12493A-ID/I	Tensioner Assembly Install On LVSr
MI 12481A/12493A-ID/I	M1114 Adapter Kit Install On LVSr
MI 11316A/12493A-OR/I	Truck, Tractor MKR16
MI 11313B/11316B/ 11321B-ID/I	LVSr Automatic Fire Extinguishing System
MI 2320-ID/9	Improved Light Kit Install On LVSr
MI 2320-ID/8	Sight Glass Guard Install LVSr
TI 11313A-OD	Changing Battery Type Setting W/400 Ampere Alternator
ECP LVSr004R2	LVSr 111-mm Heated Transparent Armor
ECP LVSr006R1	LVSr Add-on Armor Kit & Weapons Kit Improvements
ECP LVSr019	LVSr Data Logger Accident Reconstruction Change
ECP LVSr025	LVSr Electronic Control Assembly Hardware
ECP LVSr027	Cab Wall Pass through Panel
ECP LVSr028	Power Distribution Box
ECP LVSr029r2	LVSr Alternator Upgrade
ECP LVSr030	Weapons Kit Design to Accept Powered MCTAGS
ECP LVSr032	LVSr CAT Engine VVA Line
ECP LVSr035	LVSr Engine Oil Vent Routing

ECP LVSR036	LVSR Armor Kit Updates
ECP LVSR039	LVSR Pioneer Tool Kit Provisions
ECP LVSR040	LVSR Turret Gunner Restraint System
ECP LVSR044	LVSR VIM Software Updates
ECP LVSR045	Accumulator Mounting Bracket
ECP LVSR050	LVSR Slave Valve Caution Data Plate
ECP LVSR053	LVSR Tractor Front Suspension Upgrade
ECP LVSR058	LVSR Cargo Dust Caps and Plugs
ECP LVSR060	LVSR Tractor/Wrecker Fuel Tank Fire Suppression Kit
ECP LVSR061r1	LVSR Stage 1 Crew Fire Suppression
ECP LVSR065	LVSR Ignition Switch and Under Dash Wire Harness Clipping
ECP LVSR066	Integration of Accommodations for SPAWAR GFE Installation
ECP LVSR069	LVSR Hydraulic Reservoir Sight Glass Guard
ECP LVSR072	LVSR Improved Egress Hatch
ECP LVSR077	LVSR Wrecker/Tractor Cab Harness Connector Cap
ECP LVSR078	LVSR Improved Light Kit
ECP LVSR080	LVSR Tractor Reducible Height Fifth Wheel Ramps
ECP LVSR081	LVSR Maintenance Free PTO U-Joints

6.5. **Military Handbooks (For Guidance)**

MIL-HDBK-61_	Configuration Management Guidance
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6.6. **Industry Standards**

ANSI/ISO/ASQC Q9001-2008	Quality Management Systems – Requirements
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6.7. **Industry Standards (For Guidance)**

ANSI/EIA-649B-2011

National Consensus Standard for Configuration
Management

PART 7
ATTACHMENTS/TECHNICAL EXHIBIT LISTING

7. **Attachments/Technical Exhibit List:**

- 7.1. Attachment 1 Technical Exhibit List 1 - Performance Requirements Summary
- 7.2. Attachment 2 Technical Exhibit 2 - Deliverables Schedule
- 7.3. Attachment 3 LVSR UII Marking Location for Components
- 7.4. Attachment 4 Pre-Induction Limited Technical Inspection
- 7.5. Attachment 5 IUID/UII Pre-Induction Checklist
- 7.6. Attachment 6 IUID/UII Final Assembly Checklist
- 7.7. Attachment 7 LVSR Final Inspection Record
- 7.8. Attachment 8 LVSR Maintenance Production Report
- 7.9. Attachment 9 LVSR Monthly IROAN Checklist
- 7.10. Attachment 10 List of Secondary Reparable to be IUID/UII Marked
- 7.11. Attachment 11 Depot Repair Engineering Change Proposal Verification and Application Report
- 7.12. Attachment 12 Physical Inventory Document
- 7.13. Attachment 13 SF Form 153 COMSEC Material Report
- 7.14. Attachment 14 DD Form 1149 Requisition and Invoice/Shipping Document
- 7.15. Attachment 15 DD Form 1148 Issue Release/Receipt Document
- 7.16. Attachment 16 Weekly CCIR Material Report
- 7.17. Attachment 17 Marine Corps Logistic Command Discrepancy Report

Attachment 1

Technical Exhibit 1

Performance Requirements Summary

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 1. The contractor shall IROAN the LVSR armored tractor and upon completion of the IROAN process the LVSR armored tractor shall be in Condition Code "A". PWS paragraph 5.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1 TM 4750-OD/1	No defective or deficient LVSR tractors. No defective or deficient LVSR Drivetrains. No defective or deficient LVSR Engine Systems. No defective or deficient LVSR Electrical Systems. No defective or deficient LVSR Air Systems. No defective or deficient LVSR Steering Systems. No defective or deficient LVSR Wheels and Tires. No defective or deficient LVSR Central Air Inflation Systems. No defective or deficient LVSR Antilock Brake Systems.	Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 1. (Continued) The contractor shall IROAN the LVSR armored tractor and upon completion of the IROAN process the LVSR armored tractor shall be in Condition Code "A". PWS paragraph 5.1.		<p>No defective or deficient LVSR Automatic Traction Control Systems.</p> <p>No defective or deficient LVSR Cabs.</p> <p>No defective or deficient LVSR Fifth Wheel Assembly.</p> <p>No defective or deficient LVSR Hydraulic Systems.</p> <p>No defective or deficient LVSR Suspension Systems.</p> <p>No defective or deficient LVSR Winch Systems.</p>	Validated Customer Complaint received by COR
PRS# 2. The contractor shall upgrade all LVSR armored tractors to the latest configuration. PWS paragraph 5.5.	<p>TM 2320-DE/1</p> <p>TM 11316A/12493A-OR/1</p> <p>TM 2320-DE</p> <p>MI 11316A/12493A-OI/1</p> <p>MI 11316A/12493A-ID/1</p>	<p>Zero deviation from standard.</p> <p>No defective or deficient LVSR tractors.</p> <p>No defective or deficient LVSR Drivetrains.</p> <p>No defective or deficient LVSR Engine Systems.</p>	Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 2. (Continued) The contractor shall upgrade all LVSR armored tractors to the latest configuration. PWS paragraph 5.5.	MI 12481A/12493A-ID/1	No defective or deficient LVSR Electrical Systems.	Validated Customer Complaint received by CO
	MI 11316A/12493A-OR/1	No defective or deficient LVSR Air Systems.	
	MI 11313B/11316B/11321B-ID/1	No defective or deficient LVSR Steering Systems.	
	MI 2320-ID/9	No defective or deficient LVSR Wheels and Tires.	
	MI 2320-ID/8	No defective or deficient LVSR Central Tire Inflation Systems.	
	TI 11313A-OD	No defective or deficient LVSR Antilock Brake Systems.	
	All ECPs listed in Attachment 11	No defective or deficient LVSR Fifth Wheel Assembly.	
		No defective or deficient LVSR Automatic Traction Control Systems.	
		No defective or deficient LVSR Cabs.	

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 2. (Continued) The contractor shall upgrade all LVSR armored tractors to the latest configuration. PWS paragraph 5.5.		No defective or deficient LVSR Winch Systems. All MI and TI upgrades completed. All ECPs on Attachment 11 verified or installed.	Validated Customer Complaint received by COR
PRS# 3. The contractor shall mark components in Attachment 3 with IUID. PWS paragraph 5.2 through 5.2.2.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1 TM 2320-DE MI 11316A/12493A-OI/1 MI 11316A/12493A-ID/1 MI 12481A/12493A-ID/1 MI 11316A/12493A-OR/1 MI 11313B/11316B/11321B-ID/1 MI 2320-ID/9 MI 2320-ID/8 TI 11313A-OD	Zero deviation from standard. All components in Attachment 3 are marked with IUID. All components marked in same location as shown in Attachment 3. IUID no less than 1 cm wide and no less than 40% in contrast. IUID label contains nomenclature; part number; original manufacture cage code and original serial number.	100 Percent Inspection Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 4. The contractor shall ensure components in Attachment 3 are recorded in the Office of the Secretary of Defense Registry. PWS paragraph 5.2 through 5.2.2.2.	PWS paragraphs 5.2 through 5.2.2.2	Zero deviation from standard. All Components in Attachment 3 are recorded in the Office of the Secretary of Defense IUID Registry.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 5. The contractor shall ensure components in Attachment 3 are recorded in Marine Corps Temporary Data Storage. PWS paragraph 5.2 through 5.2.2.2.	PWS paragraphs 5.2 through 5.2.2.2	Zero deviation from standard. All Components in Attachment 3 are recorded in Marine Corps Temporary Data Storage (TDS).	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 6. The contractor shall install the principal end item data plate. PWS paragraphs 5.3 through 5.3.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. No defective or deficient PEI data plates. PEI data plate located on the left end of the dash panel. Data plate can be scanned when installed. Data plate includes the corresponding Human Readable Information (HRI).	100 Percent Inspection Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 6. (Continued) The contractor shall install the principal end item data plate. PWS paragraphs 5.3 through 5.3.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	PEI data plate includes IUID data matrix. PEI data plate permanently affixed with a rivet in each corner. Marked IAW with MIL-STD-130. Data plate includes bar coding.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 7. The contractor shall verify all ECPs listed in the Depot Repair Engineering Change Proposal Verification and Application Report (Attachment 11) has been applied. PWS paragraph 5.5.(c).	Refer to Attachment 11 for a list of all ECPs	Zero deviation from standard. All ECPs in Attachment 11 have been applied.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 8. The contractor shall remove all corrosion from the frame assembly. PWS paragraph 5.5.1.	TM 4750-OD/1	No visible corrosion. No paint bubbling. No flaking paint.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 9. The contractor shall inspect and repair or replace, as necessary, all worn frame brackets. PWS paragraph 5.5.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient frame brackets.	100 percent inspection. Validated Customer Complaint received by COR.
PRS# 10. The contractor shall inspect and repair or replace, as necessary, all damaged frame mounts. PWS paragraph 5.5.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient frame mounts.	100 percent inspection. Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 11. The contractor shall replace cracked or damaged cross-members. PWS paragraph 5.5.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No cracked cross-members. No defective or deficient cross-members.	100 percent inspection. Validated Customer Complaint received by COR.
PRS# 12. The contractor shall inspect and repair or replace, as necessary, frame assembly components. PWS paragraph 5.5.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient frame assembly components.	100 percent inspection. Validated Customer Complaint received by COR.
PRS# 13. The contractor shall inspect and repair or replace, as necessary, all axle assemblies. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient axle assemblies. No anti-sway bar movement.	Validated Customer Complaint received by COR.
PRS# 14. The contractor shall ensure axle assemblies contain the correct type and amount of gear oil. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Axle assemblies filled with Gear Oil 80W90. Gear oil level with bottom of filler hole.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 15. The contractor shall provide axle assemblies that have no class I, II, or III gear oil leaks. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II, or III gear oil leaks.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 16. The contractor shall inspect and repair or replace, as necessary, all axle assembly bearings. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient axle assembly bearings.	Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 17. The contractor shall inspect and repair or replace, as necessary, all axle assembly boots. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient axle assembly boots.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 18. The contractor shall inspect and repair or replace, as necessary, all axle assembly seals. PWS paragraph 5.5.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient assembly seals.	Validated Customer Complaint received by COR.
PRS# 19. The contractor shall inspect and repair or replace, as necessary, the C15 engine and accessories. PWS paragraph 5.5.3.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient C15 engine. No defective or deficient C15 engine accessories. No excessive smoke. No unusual noise. No rough running or misfiring. Serpentine belt properly tensioned. No defective or deficient engine cooling fan. No defective or deficient engine brake/retarder. Engine filled with OE/HDO 15W40 oil.	Dynamometer test results documentation. 100 percent Inspection. Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 19. (Continued) The contractor shall inspect and repair or replace, as necessary, the C15 engine and accessories. PWS paragraph 5.5.3.	TM 2320-DE/1 TM 11316A/12493A-OR/1	<p>Oil on engine dipstick reads full mark when cold.</p> <p>Rain-cap in place and functioning on top of exhaust stack.</p> <p>No class I, II, or III oil leaks.</p> <p>Engine will only start when transmission is in neutral.</p> <p>Tachometer reads 600-1000 rpms with engine idling.</p> <p>High idle indicator illuminates when high idle switch is pushed in.</p> <p>Engine oil pressure warning light indicator does not read in yellow or red.</p> <p>Water temp does not read over 220 degrees when hot.</p> <p>Check Engine light not illuminated.</p> <p>Dipstick and fill cap are properly installed.</p> <p>No exhaust leaks.</p>	<p>Dynamometer test results documentation.</p> <p>100 percent Inspection.</p> <p>Validated Customer Complaint received by COR.</p>

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 20. The contractor shall provide a C15 engine that generates 600 horsepower at 1800 revolutions per minute (RPM). PWS paragraph 5.5.3.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. C15 engine generates no less than 600 horsepower at 1800 RPM.	Dynamometer documentation certifying engine generates 600 horsepower at 1800 RPM
PRS# 21. The contractor shall inspect and repair or replace, as necessary, the starter. PWS Paragraph 5.5.4.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No unusual starter noise when starting engine. No defective or deficient starters. Starter is securely mounted. No defective or deficient starter wires.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 22. The contractor shall inspect and repair or replace, as necessary, the 400 ampere alternator. PWS paragraph 5.5.5.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. No defective or deficient 400 ampere alternator. Volt gauge reads between 24-30 volts at idle.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 23. The contractor shall inspect and repair or replace, as necessary, the transfer case. PWS paragraph 5.5.6.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II, or III oil leaks. No defective or deficient transfer cases. Filled with OE/HDO 15W40. Oil Level even with fill plug.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 24. The contractor shall inspect and repair or replace, as necessary, the transmission. PWS paragraph 5.5.7.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient transmissions. No class I, II, or III oil leaks. Transmission filled with OE/HDO 15W40. Fluid on dipstick is within cold run band when transmission is cold. Temperature does not read over 300 degrees. No defective or deficient vent hoses. Vent hoses properly mounted. Shifts through all gears smoothly.	Dynamometer Test results documentation. 100 Percent Inspection Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 24. (Continued) The contractor shall inspect and repair or replace, as necessary, the transmission. PWS paragraph 5.5.7.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Operates in all gears. Changes gears smoothly during operation. Back-up alarm sounds when transmission is in reverse. Backup light is on when transmission is in reverse.	Dynamometer Test results documentation. 100 Percent Inspection Validated Customer Complaint received by COR
PRS# 25. The contractor shall inspect and repair or replace, as necessary, the main winch. PWS paragraph 5.5.8.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II, or III oil leaks. No defective or deficient winch when winding or unwinding winch cable.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 26. The contractor shall inspect and repair or replace, as necessary, the auxiliary winch. PWS paragraph 5.5.8.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II, or III oil leaks. No defective or deficient auxiliary winch when winding or unwinding auxiliary winch cable.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 27. The contractor shall replace the winch cables and clevises. PWS paragraph 5.5.8.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	<p>No defective or deficient winch cables or winch clevises.</p> <p>New cables and clevises installed.</p> <p>No clevis pin and cotter pin present.</p> <p>Entire cable is lubricated with Carwell Lube.</p> <p>No broken winch cable wires.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>
PRS# 28. The contractor shall inspect and replace, as necessary, any defective hydraulic or auxiliary reservoir as necessary. PWS paragraph 5.5.9.	TM 2320-DE/1 TM 11316A/12493A-OR/1	<p>Hydraulic and auxiliary reservoir filled with OE/HDO 15W40.</p> <p>No defective or deficient hydraulic or auxiliary reservoir.</p> <p>Hydraulic fluid level is at the top range mark on hydraulic and auxiliary reservoir after the PEI has been operated.</p> <p>Hydraulic fluid is not milky, foamy or dirty.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR</p>

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 29. The contractor shall inspect and repair or replace, as necessary, the mirrors. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient mirrors. Right and left mirrors installed. No broken, cracked or loose mirrors. Mirrors adjustable to six positions. No defective or deficient spotter mirrors.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 30. The contractor shall inspect and replace, as necessary, the wiper arms. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient wiper arms. Wiper arms installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 31. The contractor shall inspect and replace, as necessary, the windshield washer bottle. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient windshield washer bottle. Windshield washer bottle filled with washer fluid. Windshield washer sprays washer fluid on windshield.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 32. The contractor shall inspect and repair or replace, as necessary, the cab and hood. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cab and hood. No defective or deficient cab mounts. No broken welds.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 33. The contractor shall inspect and repair or replace, as necessary, the cab doors. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cab doors. Cab doors open and close properly. Combat lock engages and disengages.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 34. The contractor shall inspect and repair or replace, as necessary, the seatbelts. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient seat belts or buckles.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 35. The contractor shall inspect and repair or replace, as necessary, the seats. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient seats.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 36. The contractor shall inspect and repair or replace, as necessary, the gunner's restraint system PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient Gunner's restraint system.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 37. The contractor shall inspect and replace, as necessary, the rifle mount on each door. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient rifle mounts. Rife mounts installed on both doors.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 38. The contractor shall inspect and repair or replace, as necessary, the horn. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient horn.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 39. The contractor shall inspect and repair or replace, as necessary, the speedometer. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient speedometer.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 40. The contractor shall inspect and repair or replace, as necessary, the front and rear inter-vehicle electrical connector. PWS paragraph 5.5.10.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient front or rear inter-vehicle electrical connector.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 41. The contractor shall inspect and repair or replace, as necessary, all cab switches and cab gauges. PWS paragraph 5.5.10.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cab gauges. No defective or deficient cab switches.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 42. The contractor shall inspect and repair or replace, as necessary, the fan controls. PWS paragraph 5.5.10.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient fan operation in all settings.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 43. The contractor shall inspect and repair or replace, as necessary, the deicer. PWS paragraph 5.5.10.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient deicer.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 44. The contractor shall inspect and repair or replace, as necessary, the air restriction indicator. PWS paragraph 5.5.10.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Air restriction indicator reads below 25 inches.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 45. The contractor shall inspect and repair or replace, as necessary, all warning lights, flashers and buzzers PWS paragraph 5.5.10.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cab lights. No defective or deficient cab flashers. No defective or deficient cab buzzers.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 46. The contractor shall inspect or replace, as necessary, any defective armored windshields or windows. PWS paragraph 5.5.10.3.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No delamination in glass. Glass is not cloudy. No scratches over 6 inches long. No scratches in driver windshield. No cracks in glass.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 47. The contractor shall inspect and repair or replace, as necessary, the glad-hands PWS paragraph 5.5.11.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No air leaks. No defective or deficient air lines. No rotted seals. No clogged glad-hands.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 48. The contractor shall inspect and repair or replace, as necessary, the stowage boxes. PWS paragraph 5.5.12.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient hinges on stowage boxes. No defective or deficient doors on stowage boxes.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 48. (Continued) The contractor shall inspect and repair or replace, as necessary, the stowage boxes. PWS paragraph 5.5.12.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No corrosion in or on the stowage box. Stowage compartment door installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 49. The contractor shall inspect and repair or replace, as necessary, the cross members. PWS paragraph 5.5.12.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cross members. No loose or broken screws in cross members.	100 Percent Validated Customer Complaint received by COR.
PRS# 50. The contractor shall inspect and repair or replace, as necessary, the radiator. PWS paragraph 5.5.13.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No coolant system leaks. No defective or deficient radiators. No defective or deficient radiator splashguards. No defective or deficient coolant hoses. No defective or deficient coolant overflow tank and cap. Coolant system filled with antifreeze, coolant, A-A-52624. Coolant level in overflow tank above the cold mark.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 51. The contractor shall inspect and repair or replace, as necessary, the charge air cooler. PWS paragraph 5.5.13.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient charge air cooler.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 52. The contractor shall inspect and repair or replace, as necessary, the propeller shafts. PWS paragraph 5.5.14.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient universal joint or slip yoke.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 53. The contractor shall inspect and repair or replace, as necessary, the hydraulic cylinders. PWS paragraph 5.5.15.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No defective or deficient hydraulic cylinders.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 54. The contractor shall inspect and repair or replace, as necessary, the hydraulic pump. PWS paragraph 5.5.15.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No defective or deficient hydraulic pump.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 55. The contractor shall inspect and repair or replace, as necessary, the power take offs PWS paragraph 5.5.15.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No defective or deficient universal joint or slip yoke on the PTO.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 56. The contractor shall inspect and repair or replace, as necessary, the cooling fans. PWS paragraph 5.5.16.	TM 2320-DE/I TM 11316A/12493A-OR/I	No class I, II or III leaks. No defective or deficient cooling fans.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 57. The contractor shall inspect and repair or replace, as necessary, the fan motors. PWS paragraph 5.5.16.	TM 2320-DE/I TM 11316A/12493A-OR/I	No class I, II or III leaks. No defective or deficient fan motors.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 58. The contractor shall inspect and repair or replace, as necessary, the slave hydraulic system. PWS paragraph 5.5.17.	TM 2320-DE/I TM 11316A/12493A-OR/I	No class I, II or III leaks. No defective or deficient slave hydraulic system.	100 Percent Inspection Validated Customer Complaint received by COR
PRS# 59. The contractor shall inspect and repair or replace, as necessary, the fifth wheel assembly. PWS paragraph 5.5.18.	TM 2320-DE/I TM 11316A/12493A-OR/I	No defective or deficient fifth wheel assembly. No defective or deficient locking device.	100 Percent Inspection Validated Customer Complaint received by COR
PRS#60. The contractor shall inspect and repair or replace, as necessary, the fifth wheel ramps. PWS paragraph 5.5.19.	TM 2320-DE/I TM 11316A/12493A-OR/I	No defective or deficient fifth wheel ramps.	100 Percent Inspection Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 61. The contractor shall inspect and repair or replace, as necessary, the steering system. PWS Paragraph 5.5.20.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No defective or deficient steering wheel system. No defective or deficient steering reservoir. No defective or deficient steering gear assemblies.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 62. The contractor shall inspect and repair or replace, as necessary, the fuel tank PWS Paragraph 5.5.21.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No Class I II or III fuel leaks. No defective or deficient certification tags. Strainer clean and installed. Fuel cap clean and installed. No sludge in fuel tank. No defective or deficient fuel sending unit wires.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 63. The contractor shall have 40 gallons of fuel in the fuel tank upon completion of repair. PWS paragraph 5.5.21.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No less than 40 gallons fuel (1/4 full) when IROAN is completed.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 64. The contractor shall inspect and repair or replace, as necessary, the wheels. PWS Paragraph 5.5.22.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No broken, cracked or bent wheel surfaces. No defective or deficient wheels. Wheels do not wobble when vehicle is in operation. All wheel covers installed. All studs installed and nuts properly torque.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 65. The contractor shall inspect and replace, as necessary tires that are un-serviceable. PWS paragraph 5.5.23.	TM 2320-DE/1 TM 11316A/12493A-OR/1 TM 9-2610-200-14	No cupping on tires. No chucking on tires. No cuts on tires. No gouges on tires. No cracks on tires. Tires shall have at least ¼ inch tread depth.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 66. The contractor shall replace all O rings when un-serviceable tires are replaced. PWS paragraph 5.5.23.	TM 2320-DE/1 TM 11316A/12493A-OR/1	All O rings replaced if tire(s) are replaced. Zero deviation from standard.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 67. The contractor shall inspect and replace, as necessary, the mudflaps. PWS paragraph 5.5.24.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient mudflaps. All mudflaps installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 68. The contractor shall inspect and repair or replace, as necessary, the brake system PWS paragraph 5.5.25.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No air leaks. No defective or deficient brake system. Brakes engage when brake pedal is pushed. Vehicle will not move when parking brake engaged.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 69. The contractor shall inspect and repair or replace, as necessary, the hubs. PWS paragraph 5.5.26.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient hubs.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 70. The contractor shall inspect and repair or replace, as necessary, the brake drums. PWS paragraph 5.5.26.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient brake drums.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 71. The contractor shall inspect and repair or replace, as necessary, the antilock brake system. PWS paragraph 5.5.27.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient antilock brake system.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 72. The contractor shall inspect and repair or replace, as necessary, the central tire inflation system. PWS paragraph 5.5.28.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No air leaks. No defective or deficient CTIS. CTIS will increase pressure to tires. CTIS will decrease pressure to tires.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 73. The contractor shall replace all batteries with NSN 6140-01-446-9506. PWS paragraph 5.5.29.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. No corrosion on battery post and terminals. No defective or deficient batteries. No used batteries. No defective or deficient battery disconnect switch..	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 74. The contractor shall inspect and repair or replace, as necessary, the battery box. PWS paragraph 5.5.29.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No corrosion in battery box. Battery box cover installed and not damaged.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 75. The contractor shall inspect and replace, as necessary all defective battery cables. PWS paragraph 5.5.29.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient cables. No defective or deficient slave receptacle. Slave receptacle free of dirt, sand and debris.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 76. The contractor shall inspect and replace, as necessary, all defective lights. PWS paragraph 5.5.30.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient lights. No defective or deficient reflectors. All reflectors installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 77. The contractor shall inspect and repair or replace, as necessary, the beacon light assemblies. PWS paragraph 5.5.30.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient beacon light assemblies.	100 Percent Inspection Validated Customer Complaint received by COR
PRS# 78. The contractor shall inspect and repair or replace, as necessary, the beacon light mounting posts PWS paragraph 5.5.30.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient beacon light mounting posts.	100 Percent Inspection
PRS# 79. The contractor shall inspect and repair or replace, as necessary, the work light assembly PWS paragraph 5.5.30.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient work light assembly.	100 Percent Inspection

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 80. The contractor shall inspect and repair or replace, as necessary, the suspension components. PWS paragraph 5.5.31.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient suspension components. No defective or deficient jounce bumper. No defective or deficient rebound bumper.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 81. The contractor shall inspect and replace, as necessary, any defective shock absorbers. PWS paragraph 5.5.31.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks from the shock absorbers. No defective or deficient shock absorbers.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS#82 The contractor shall inspect and replace, as necessary, any defective coil springs. PWS paragraph 5.5.31.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient coil springs.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS#83. The contractor shall inspect and repair or replace, as necessary, the hydraulic suspension cylinders. PWS paragraph 5.5.31.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks from the hydraulic suspension cylinders. No defective or deficient hydraulic suspension cylinders.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 84. The contractor shall inspect and replace, as necessary, any defective hydraulic suspension accumulators. PWS paragraph 5.5.31.1.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No leaks from the accumulators. No defective or deficient accumulator.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 85. The contractor shall inspect and repair or replace, as necessary, the hydraulic suspension main manifold PWS paragraph 5.5.31.2.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks from the main manifold. No defective or deficient manifold.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 86. The contractor shall inspect and repair or replace, as necessary, the treadle valves. PWS paragraph 5.5.32.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient treadle valves.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 87. The contractor shall inspect and repair or replace, as necessary, the air dryers. PWS paragraph 5.5.32.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No air leaks. No defective or deficient air dryers. Air dryer purges when governor shuts off air compressor at 125 psi. No defective or deficient air lines and fittings to the air dryer. No defective or deficient wires to air dryer.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 88. The contractor shall inspect and repair or replace, as necessary, the after coolers. PWS paragraph 5.5.32.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient after coolers. No defective or deficient air lines and fittings to the after cooler.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 89. The contractor shall inspect and repair or replace, as necessary, the air tanks. PWS paragraph 5.5.33.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient air tanks. No air leaks.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 90. The contractor shall inspect and repair or replace, as necessary, the air reservoirs. PWS paragraph 5.5.33.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient air reservoirs. No air leaks. No condensation in air reservoirs.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 91. The contractor shall inspect and repair or replace, as necessary, the air compressor. PWS paragraph 5.5.34.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Low air indicator remains illuminated and warning buzzer sounds until air pressure builds up to 64-76 psi.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 92. The contractor shall inspect and repair or replace, as necessary, the air governor assembly. PWS paragraph 5.5.35.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No air leaks. No defective or deficient air governors.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 93. The contractor shall inspect and repair or replace, as necessary, the air cleaner. PWS paragraph 5.5.36.	TM 2320-DE/1 TM 11316A/12493A-OR/1	New air filter installed. No defective or deficient piping to the air cleaner.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 94. The contractor shall inspect and repair or replace, as necessary, the air condition system. PWS paragraph 5.5.37.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient air condition system. No defective or deficient compressor. No defective or deficient hoses. No oil leaks. No A/C coolant leaks. No defective or deficient AC switch in all settings. Air blows out all A/C vents. No defective or deficient air compressor mounts.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 95. The contractor shall replace the transmission breather. PWS paragraph 5.5.38.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. New transmission breather installed.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 96. The contractor shall inspect and replace, as necessary, the vent hoses. PWS paragraph 5.5.38.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient vent hoses.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 97. The contractor shall inspect and repair or replace, as necessary, the fuel and water separator assembly. PWS paragraph 5.5.39.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No water in sediment bowl. No defective or deficient fuel water separator.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 98 The contractor shall inspect and repair or replace, as necessary, the fuel priming and fuel sending unit. PWS paragraph 5.5.40.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No class I, II or III leaks. No defective or deficient fuel priming assembly. No defective or deficient fuel sending unit.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 99. The contractor shall inspect and repair or replace, as necessary, the turbocharger assembly. PWS paragraph 5.5.41.	TM 2320-DE/1 TM 11316A/12493A-OR/1	No defective or deficient turbocharger assembly. No exhaust leaks. All mounting screws, pipes, and clamps installed.	100 Percent Inspection Validated Customer Complaint received by COR

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 99. (Continued) The contractor shall inspect and repair or replace, as necessary, the turbocharger assembly. PWS paragraph 5.5.41.	TM 2320-DE/1 TM 11316A/12493A-OR/I	No defective or deficient oil supply line and drain line.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 100. The contractor shall inspect, repair or replace, as necessary, the RCU and cable assembly. PWS paragraph 5.5.42.	TM 2320-DE/1 TM 11316A/12493A-OR/I	No defective or deficient RCU. No defective or deficient cable assembly.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 101. The contractor shall remove all rust and corrosion. PWS paragraph 5.5.43.	TM 4750-OD/1	Zero deviation from standard. No rust. No Corrosion.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 102. The contractor shall stencil and paint the exterior and interior with CARC. PWS paragraph 5.5.44.	TM 4750-OD/1	Zero deviation from standard. Interior and exterior painted with CARC. No flaking paint.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 103. The contractor shall rustproof the LVSR. PWS paragraph 5.5.45.	TM 4750-OD/1	Zero deviation from standard. No rust or corrosion.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 104. The contractor shall undercoat the vehicle with SG510A. PWS paragraph 5.5.46.	TM 2320-DE/1 TM 4750-OD/1	Zero deviation from standard. No rust or corrosion.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 105. During the undercoating process the contractor shall not apply SG510 to non-metallic hoses, wiring harnesses, grease fitting, and data plates. PWS paragraph 5.5.46.	TM 2320-DE/1 TM 4750-OD/1	No undercoating on non-metallic hoses, wiring harnesses, grease fitting, and data plates.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 106. The contractor shall inspect, repair or replace, as necessary, all COEI. PWS paragraph 5.5.48.	TM 2320-DE/1 TM 11316A/12493A-OR/1	All COEI installed or placed in crate in bed of truck with an inventory sheet. No defective or deficient COEI.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 107. The contractor shall remove, clean, inspect, remove all corrosion, prime and repaint all armor prior to re-installation. PWS paragraph 5.5.51.	TM 2320-DE/1 TM 11316A/12493A-OR/1	Zero deviation from standard. No defective or deficient armor. Corrosion on armor. All armor primed and painted with CARC.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 108. The contractor shall inspect and repair or replace, as necessary, the machine gun mount. PWS paragraph 5.5.52.	TM 2320-DE/1 TM 11316A/12493A-OR/1 MI 12481A/12493A-ID/1	No defective or deficient machine gun mount. Machine gun mount installed. Machine gun Weapon mount rotates and locks. Machine gun weapon mount roof cover installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 109. The contractor shall inspect and repair or replace, as necessary, the MCTAGS. PWS paragraph 5.5.53.	TM 11466A-OR.	No defective or deficient MCTAGS. No MCTAGS that are different color from vehicle.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 110. The contractor shall put a condition code "A" MCTAGS on the bed of the tractor upon completion of IROAN. PWS paragraph 5.5.53.	TM 11466A	Condition Code "A" MCTAGS is in a crate and loaded on the bed of the tractor with color and NSN 2540-01-546-4267 stamped on crate.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 111. The contractor shall inspect and repair or replace, as necessary the battery powered motorized traversing unit and manual traversing unit. PWS paragraph 5.5.54.	TM 11466A-OR TM 2320-DE/1	No defective or deficient battery powered motorized traversing unit. No defective or deficient manual traversing unit.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS #112. The contractor shall install the various C4I integrated systems A-Kits. PWS paragraph 5.5.55 through 5.5.55.5.	TM 2320-DE	<p>Zero deviation from standard.</p> <p>No defective or deficient wiring harnesses in the various C4I integrated systems A-Kits.</p> <p>All C4I integrated systems A-Kit wiring harnesses have continuity and ground.</p> <p>No defective or deficient C4I integrated systems A-Kit hardware.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>
PRS# 113. The contractor shall install the Crew Vehicle Receiver Jammer (CVRJ) A-Kit hardware and CVRJ A-Kit wiring in LVSR armored tractors. PWS paragraph 5.5.55.1.	TM 2320-DE	<p>Zero deviation from standard.</p> <p>Crew Vehicle Receiver Jammer A-Kit hardware installed.</p> <p>Crew Vehicle Receiver Jammer A-Kit wiring installed.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 114. The contractor shall install the Blue Force Tracker (BFT) A-Kit hardware and BFT A-Kit wiring in the LVSR armored tractors. PWS paragraph 5.5.55.2.	TM 2320-DE	Zero deviation from standard. Blue Force Tracker A-Kit hardware installed. Blue Force Tracker A-Kit wiring installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 115. The contractor shall install the Driver Vision Enhancer (DVE) A-Kit hardware and DVE A-Kit wiring in the LVSR armored tractors. PWS paragraph 5.5.55.3.	TM 2320-DE	Zero deviation from standard. Driver Vision Enhancer A-Kit hardware installed. Driver Vision Enhancer A-Kit wiring installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 116. The contractor shall install the Tactical Operations Command Network V (TOCNET-V) A-Kit hardware and TOCNET-V A-Kit wiring in the LVSR armored tractors. PWS paragraph 5.5.55.4.	TM 2320-DE	Zero deviation from standard. Tactical Operations Command Network A-Kit hardware installed. Tactical Operations Command Network A-Kit wiring installed.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 117. The contractor shall install the AN/VRC-113 A-Kit hardware and AN/VRC-113A-Kit wiring in the LVSR armored tractors. PWS paragraph 5.5.55.5.	TM 2320-DE	Zero deviation from standard. AN/VRC-113 A-Kit hardware installed. AN/VRC-113 A-Kit wiring installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 118. The contractor shall ensure MI 11316A/12493A-OI/1 is installed. PWS paragraph 5.5.56.	MI 11316A/12493A-OI/1	Zero deviation from standard. MI 11316A/12493A-OI/1.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 119. The contractor shall ensure MI 11316A/12493A-ID/1 is installed. PWS paragraph 5.5.56	MI 11316A/12493A-ID/1	Zero deviation from standard. MI 11316A/12493A-ID/1	100 Percent Inspection Validated Customer Complaint received by COR
PRS# 120. The contractor shall ensure MI 12481A/12493A-ID/1 is installed. PWS paragraph 5.5.56.	MI 12481A/12493A-ID/1	Zero deviation from standard. MI 12481A/12493A-ID/1 installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 121. The contractor shall ensure MI 11316A/12493A-OR/1 is installed. PWS paragraph 5.5.56	MI 11316A/12493A-OR/1	Zero deviation from standard MI 11316A/12493A-OR/1	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 122. The contractor shall ensure MI 11313B/11316B/11321B-ID/1 is installed. PWS paragraph 5.5.56.	MI 11313B/11316B/11321B-ID/1	Zero deviation from standard. MI 11313B/11316B/11321B-ID/1 installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 123. The contractor shall ensure MI 2320-ID/9 is installed. PWS paragraph 5.5.56.	MI 2320-ID/9	Zero deviation from standard. MI 2320-ID/9 installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 124. The contractor shall ensure MI 2320-ID/8 is installed. PWS paragraph 5.5.56.	MI 2320-ID/8	Zero deviation from standard. MI 2320-ID/8 installed.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 125. The contractor shall ensure TI 11313A-OD is installed. PWS paragraph 5.5.56.	TI 11313A-OD	Zero deviation from standard. TI 11313A-OD.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 126. The contractor shall replace all mandatory components with new components. PWS paragraph 5.6.	TM 2320-DE/1 PWS paragraph 5.6	Zero deviation from standard. New wiper blades installed. All filter elements replaced. Transmission breather.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 126. (Continued) The contractor shall replace all mandatory components with new components. PWS paragraph 5.6.	TM 2320-DE/1 PWS paragraph 5.6	<p>All belts replaced.</p> <p>All fluids replaced.</p> <p>Hydraulic fittings.</p> <p>Rockers.</p> <p>Disconnects.</p> <p>Non-Metallic rubber hoses.</p> <p>Winch cables and clevises.</p> <p>All Batteries.</p> <p>Slip joint Seals.</p> <p>A CTIS seal at the wheel ends.</p> <p>Storage Box rubber seals.</p> <p>All rubber boots on the tie rod ends replaced.</p> <p>All rubber boots on the non-steer link assemblies replaced.</p> <p>All rubber boots on the anti-sway bars.</p> <p>Ether Start Kit replaced.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 127. The contractor shall install an IROAN data plate. PWS paragraph 5.7.	PWS paragraph 5.7	<p>Zero deviation from standard.</p> <p>IROAN data plate contains: USMC registration number; IROAN Date; Engine hours; engine miles; contractor name.</p> <p>Installed next to original manufacturer's data plate.</p> <p>Attached with a rivet in each corner.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR</p>
PRS# 128. The contractor shall ensure all vehicle data plates are installed and reflect latest configuration. PWS paragraph 5.8.	TM 2320-DE/1	<p>Zero deviation from standard.</p> <p>Data plates reflect latest configuration.</p> <p>Data plates affixed with rivet in each corner.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>
PRS# 129. The contractor shall inspect and repair or replace, as necessary, the pintle hook. PWS paragraph 5.10.	<p>TM 2320-DE/1</p> <p>TM 11316A/12493A-OR/1</p>	<p>No defective or deficient pintle hook.</p> <p>Safety pin is secure and functional.</p> <p>Pivot pin has free movement.</p> <p>No defective or deficient safety latch.</p>	<p>100 Percent Inspection</p> <p>Validated Customer Complaint received by COR.</p>

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 130. The contractor shall perform a final inspection IAW PWS paragraph 5.11 and Attachment 7.	Attachment 7 of this PWS	Zero deviation from standard. Attachment 7 filled out for each vehicle.	100 percent inspection.
PRS# 131. The contractor shall provide a document guaranteeing workmanship and material. PWS paragraph 5.13.	Paragraph 5.12 of this PWS	Provide a document that reflects the guarantee of workmanship and material to the COR. Provide a document for components with warranty to the COR.	Documentation guaranteeing workmanship and material
PRS# 132. The contractor shall mark the LVSIR IAW MIL-STD-642_ and MIL-STD-129_. PWS paragraph 5.14.	MIL-STD-642 and MIL-STD-129	Zero deviation from standard. All marking IAW with MIL-STD-642 and MIL-STD-129.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 133. The contractor shall be responsible for shipping and PP&P for shipment of the PEI. PWS paragraph 5.15.	Paragraph 5.14 of this PWS	Zero deviation from standard. All PP&P complete. Ship PEI as directed by COR. within 10 days of notification.	100 Percent Inspection Validated Customer Complaint received by COR.
PRS# 134. The contractor shall apply configuration control procedures to established configuration items. PWS paragraph 5.16.	Paragraph 5.15 of this PWS.	Zero deviation from standard.	100 Percent Inspection Validated Customer Complaint received by COR.

Performance Objective	Standard	Performance Threshold	Method of Surveillance
PRS# 135. The contractor shall Utilize the MEARS Implementation Module of facilitating accurate Configuration Status Accounting Records. PWS paragraph 5.17.	Paragraph 5.16 of this PWS.	Zero deviation from standard.	100 Percent Inspection Validated Customer Complaint received by COR.

Attachment 2

TECHNICAL EXHIBIT 2
DELIVERABLES SCHEDULE

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
IUID/UII Pre-Induction Checklist Attachment 5	By the 10th of the month following induction into IROAN process	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Robert Hanovich, Mark Zaikarite and Peter Gilman robert.hanovich@usmc.mil mark.zaikarite@usmc.mil peter.w.gilman@usmc.mil
IUID/UII Final Assembly Checklist Attachment 6	By the 10th of the month for all vehicles completed for previous month	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Robert Hanovich, Mark Zaikarite and Peter Gilman robert.hanovich@usmc.mil mark.zaikarite@usmc.mil peter.w.gilman@usmc.mil

Deliverable	Frequency	# of Copies	Medium/Format	Submit To
LVS Maintenance Production Report Attachment 8	By the 10th of the month for all vehicles completed for previous month	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Robert Hanovich, Mark Zaikarite and Peter Gilman robert.hanovich@usmc.mil mark.zaikarite@usmc.mil peter.w.gilman@usmc.mil
LVS Monthly IROAN Checklist Attachment 9	By the 10th of the month for all vehicles completed for previous month	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Robert Hanovich, Mark Zaikarite and Peter Gilman robert.hanovich@usmc.mil mark.zaikarite@usmc.mil peter.w.gilman@usmc.mil
List of Secondary Reparable to be IUID/UII Marked Attachment 10	By the 10th of the month for all vehicles completed for previous month	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Robert Hanovich, Mark Zaikarite and Peter Gilman robert.hanovich@usmc.mil mark.zaikarite@usmc.mil peter.w.gilman@usmc.mil

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
Depot Repair Engineering Change Proposal Verification and Application Report Attachment 11	By the 10th of the month for all vehicles completed for previous month	1 Original by 10th of month for all vehicles completed for previous month	Electronic MS Word Spreadsheet	PM (M&HTV) Attn: Gerald Arrington gerald.arrington@usmc.mil

Attachment 3

LVSR Armored Tractor

UII Marking Location for Components



Figure 1. Engine,
NSN 2815-01-561-3693



Figure 2. Transmission,
NSN 2520-01-558-3684

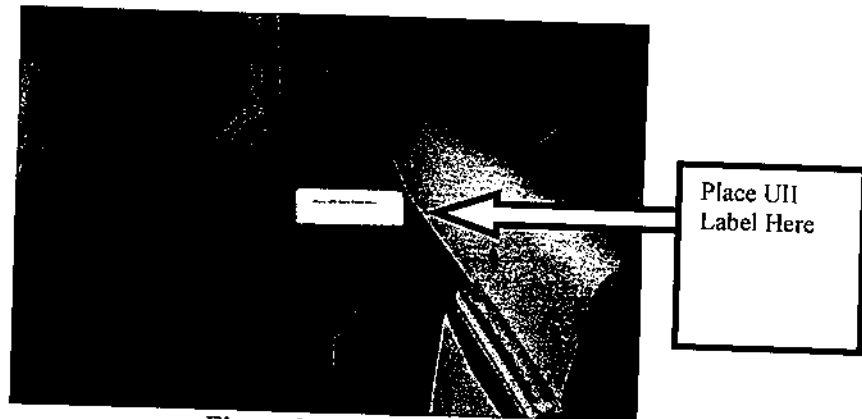


Figure 3. Transfer,
NSN 2520-01-566-8372

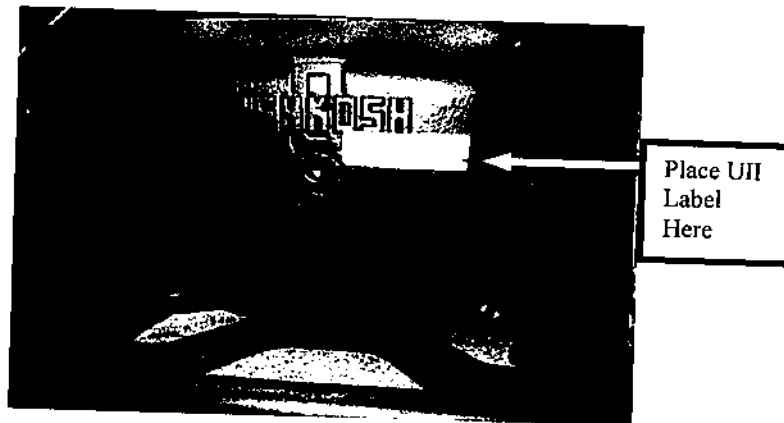


Figure 4. Front Differential
NSN 2520-01-472-9143

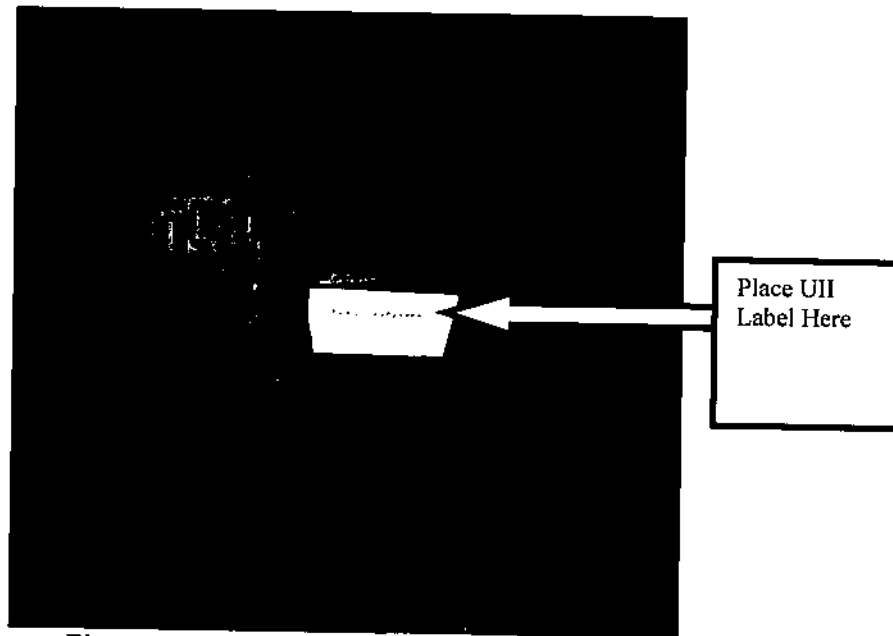


Figure 5. Differentials, Number 2, 3, 4 and 5
NSN 2520-01-590-8241, Number 2 Differential
NSN 2520-01-591-6158, Number 3 Differential
NSN 2520-01-590-8257, Number 4 Differential
NSN 2520-01-590-8259, Number 5 Differential

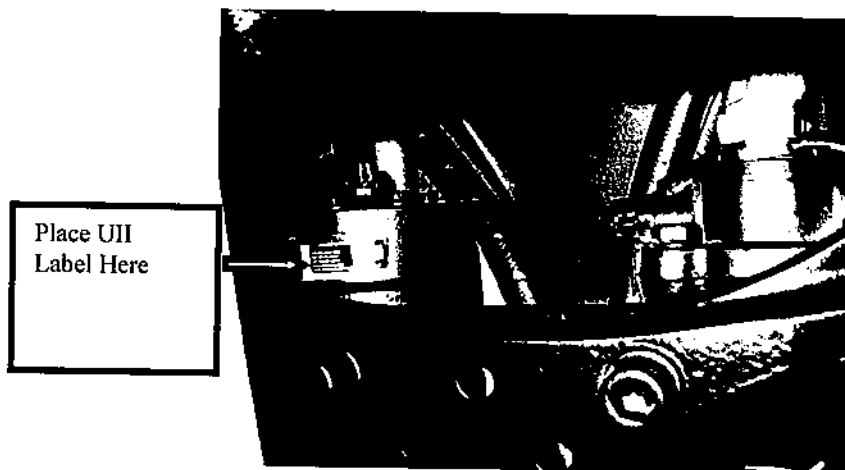


Figure 6. Steering Gear Front Primary
NSN2530-01-574-7930

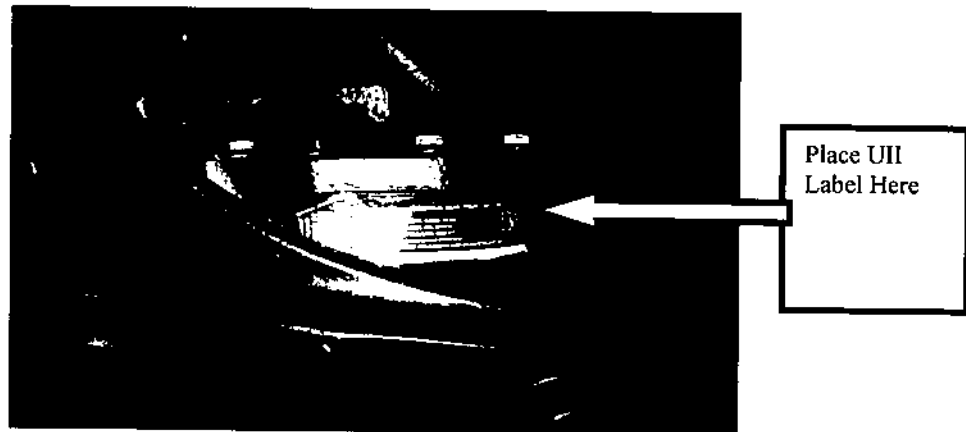


Figure 7. Steering Gear Front Secondary
NSN 2530-01-539-2812

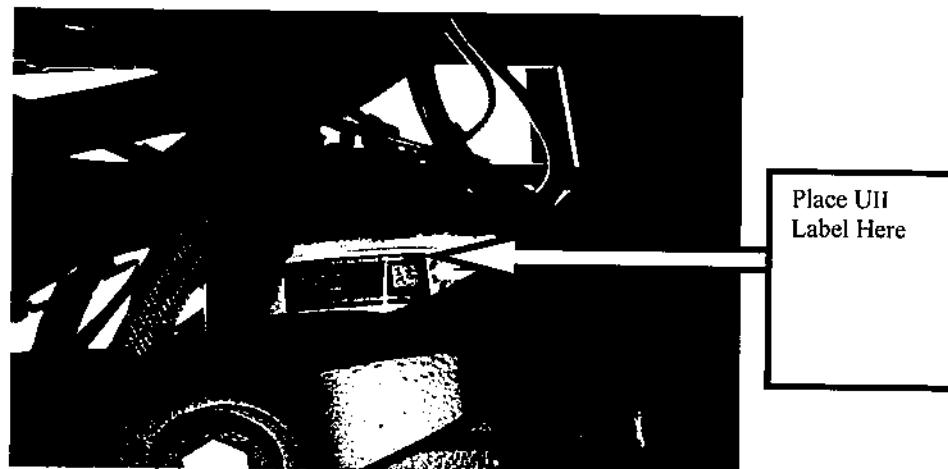


Figure 8. Steering Gear Back Primary
NSN 2530-01-574-7917

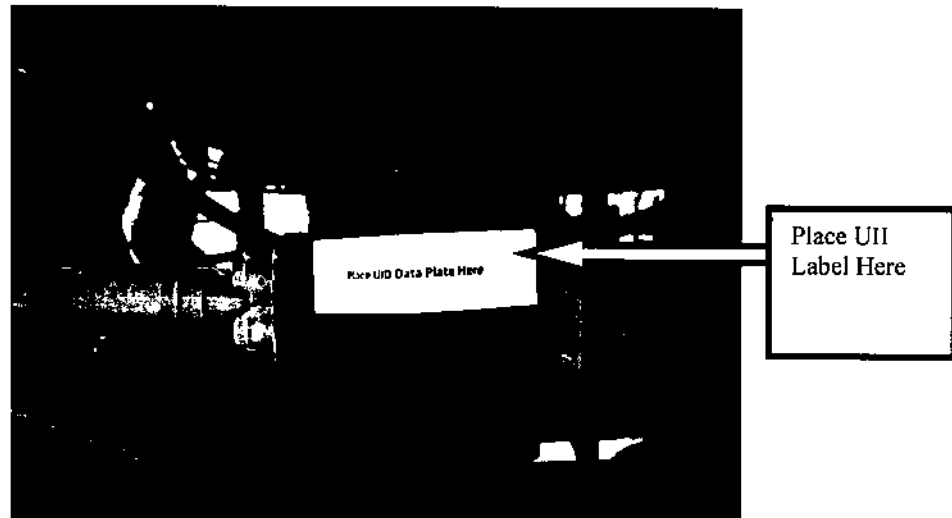


Figure 9. Motor Direct Fan Drive Assembly
NSN 2540-01-557-0067

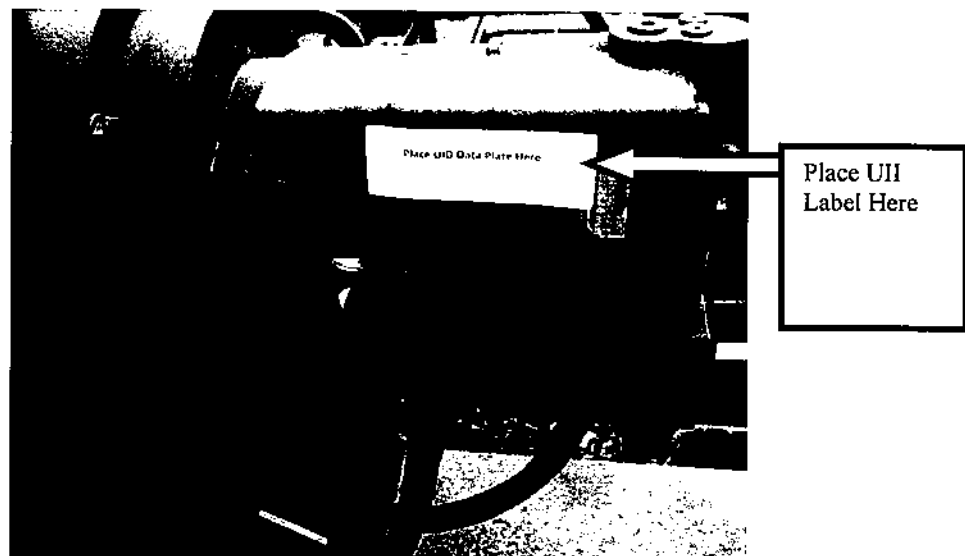


Figure 10. Motor Hydraulic, Winch and Cable
NSN 2540-01-602-4977

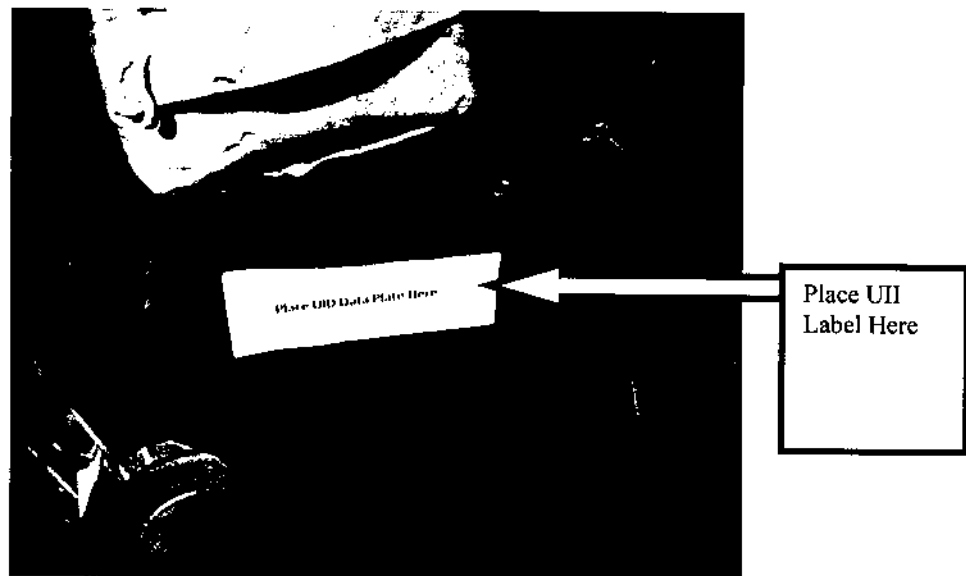


Figure 11. Pump Assembly
NSN 2930-01-576-3491

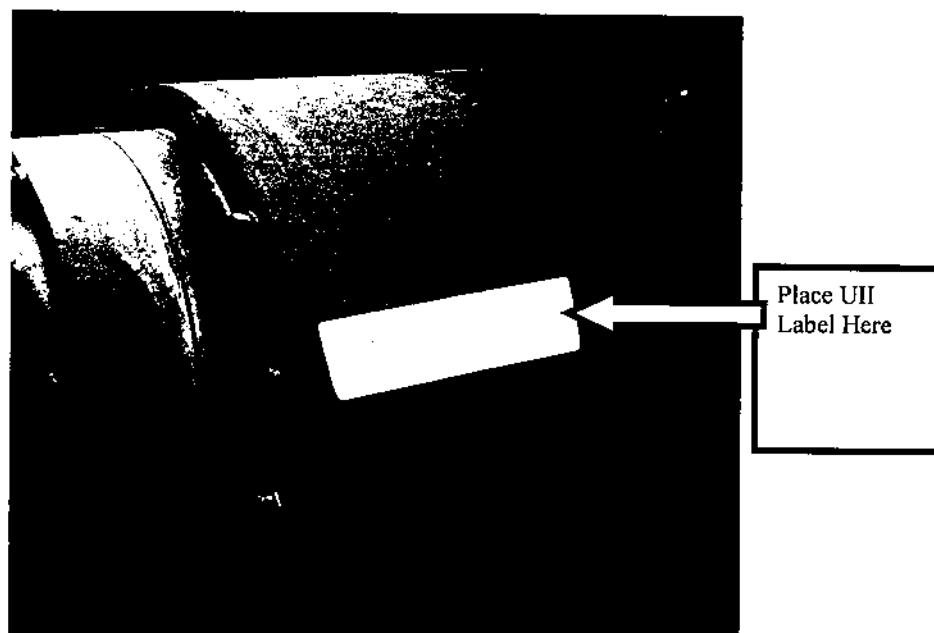


Figure 12. Winch and Cable Assembly, 60K
NSN 2590-01-598-2188

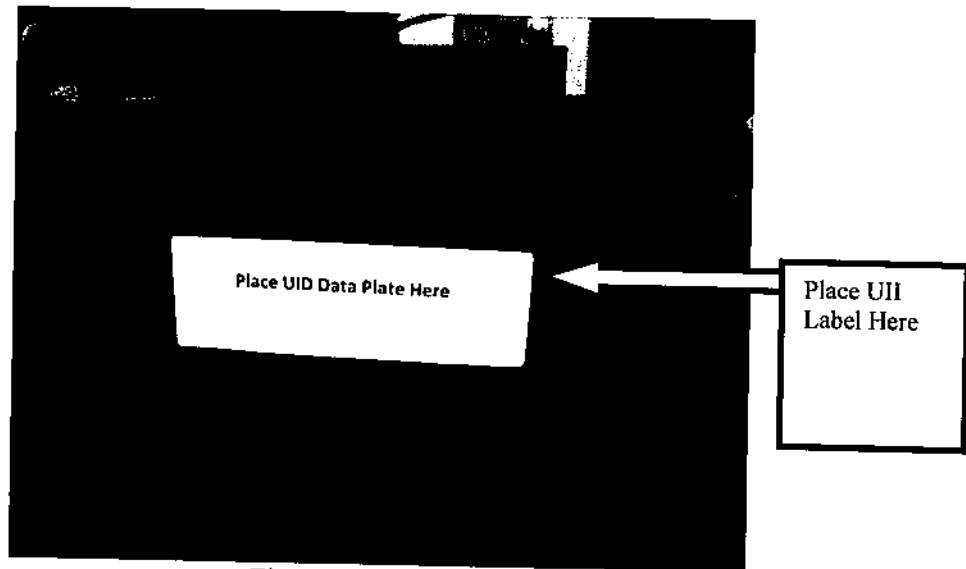


Figure 13. Radiator
NSN 4420-01-558-4773

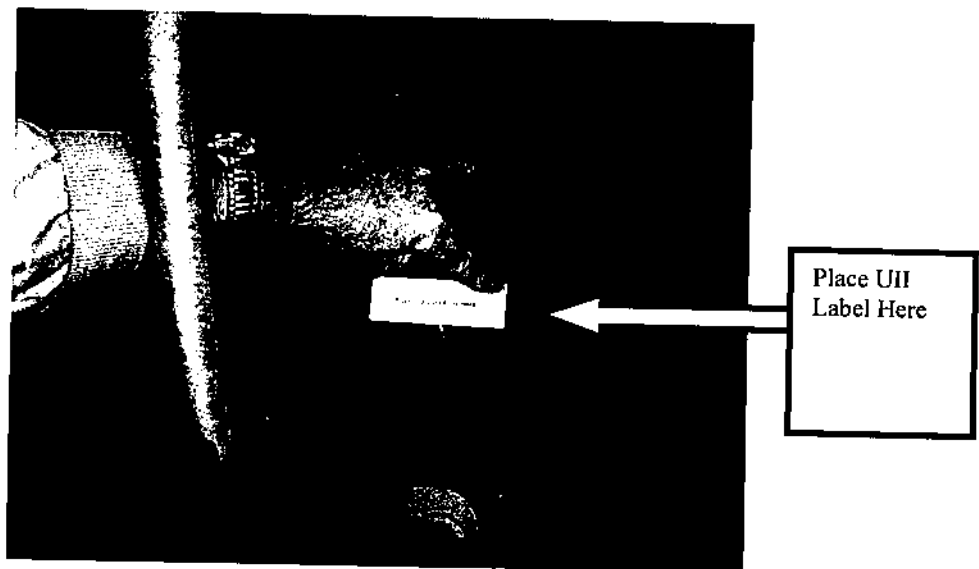


Figure 14. Starter
NSN 2990-01-474-5787

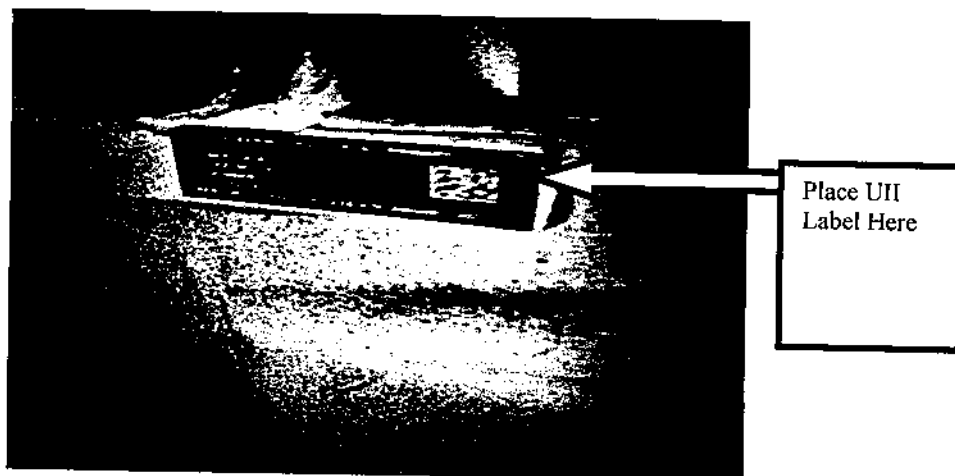


Figure 16 Gearbox Assembly
NSN 3010-01-581-3441

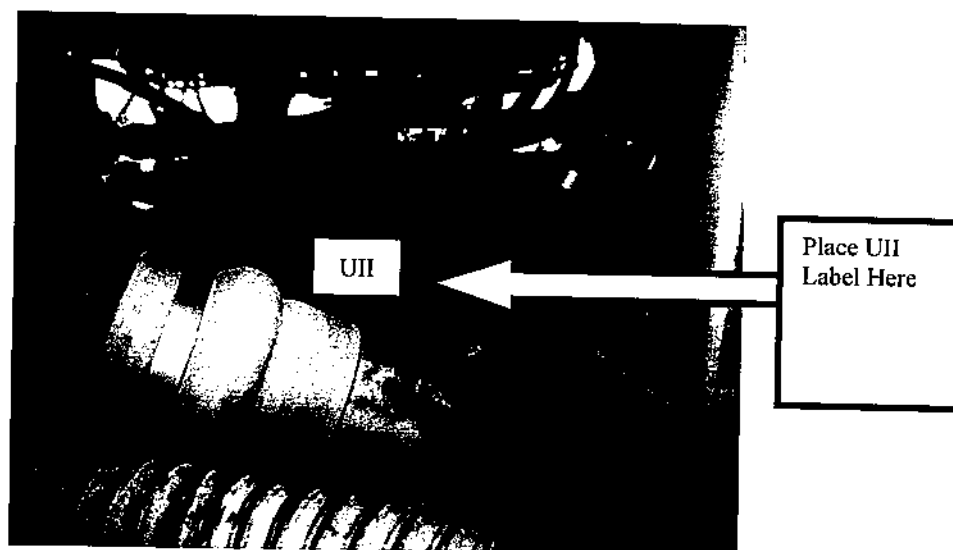


Figure 17 PTO Assembly
NSN 2520-01-555-9892

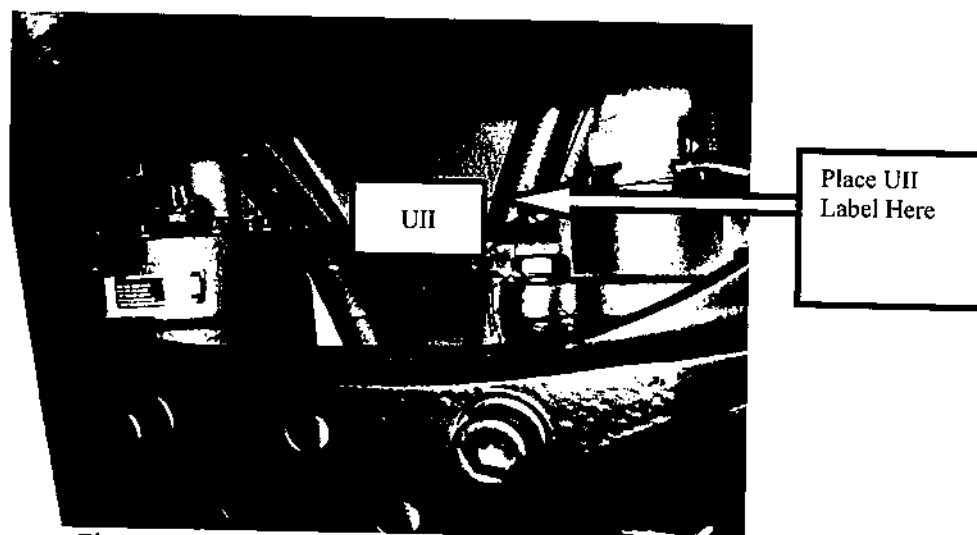


Figure 18. Steering Gear Back Drive Secondary
NSN 2530-01-565-3484

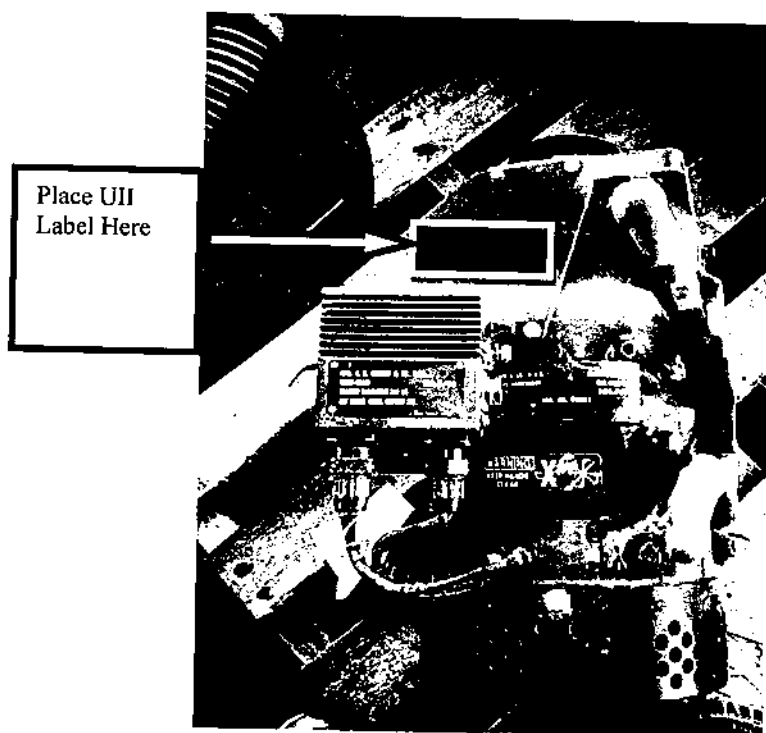


Figure 19 Generator, 400 Amp
NSN 6115-01-555-6342

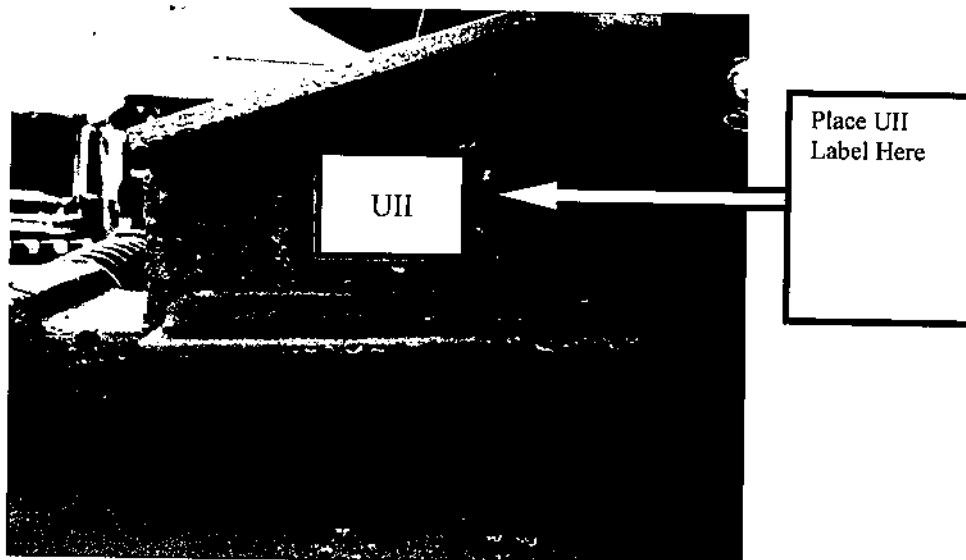


Figure 20. Fifth Wheel Assembly
NSN 2510-01-581-7030

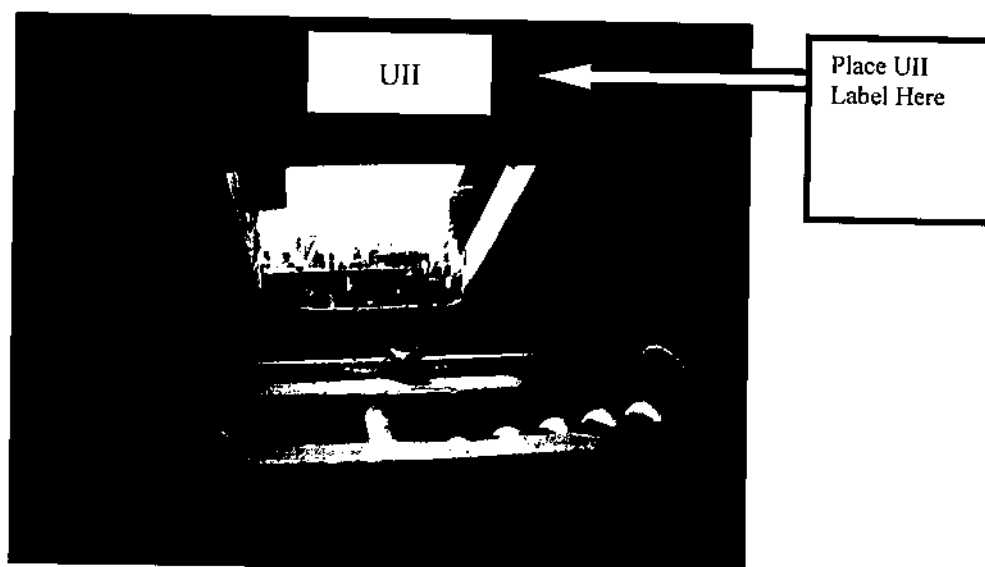


Figure 20 Fifth Wheel Plate Assembly
NSN 2510-01-192-0631

Attachment 4

LVSR Armored Tractor
Pre-Induction
Limited Technical Inspection (LTI) NAVMC 10284

11 February 2015

LIMITED TECHNICAL INSPECTION - MOTOR TRANSPORTATION (4730)

NAVMC 10284 (REV. 4-95) (EF)

(PREVIOUS EDITIONS ARE OBSOLETE AND WILL NOT BE USED)

TYPE OF VEHICLE		UNIT ASSIGNED		SIZE		DRIVE	
MANUFACTURER		MODEL		CHASSIS SERIAL NO.		YEAR OF MANUFACTURE	
CONDITION CODE						REGISTRATION NO.	
						MILEAGE	

GROUP	PART	SATISFACTORY	REPAIR	REPLACE	MISSING	COST	GROUP	PART	SATISFACTORY	REPAIR	REPLACE	MISSING	COST	M/ITI TO BE APPLIED
01	ENGINE						13	TIRES						OTHER SHORTAGES
02	CLUTCH						13	TRACKS						
03	CARBURETOR						13	WHEELS						
03	FUEL PUMP						14	STEERING GEAR						
03	FUEL TANK						14	HYDRAULIC SYSTEM						
03	DIESEL/ MULTIFUEL						15	FRAME						MAJOR DAMAGE OBVIOUSLY DUE TO OTHER THAN FAIR WEAR AND TEAR
	NO INJECTORS						15	TOWING CONNECTION						
	NO METER, PUMP						16	SHOCK ABSORBERS						
	NO TURBO CHARGER						16	SPRINGS						
	NO GOLD START SYSTEM						17	FENDERS						
04	EXHAUST SYSTEM						17	HOOD						LETTER OF INVESTIGATION REFERENCE:
05	COOLING SYSTEM						18	BODY						
06	BATTERY						18	CAB						
06	DISTRIBUTOR						18	FLOOR						
06	ALTERNATOR						18	GLASS						
06	LIGHTS						18	INTERIOR TAP						LETTER OF UNSERVICEABLE PROPERTY REFERENCE:
06	STARTER						18	SEAT & UPHOLSTER						
06	REGULATOR						20	WIND						
06	WIRING						21	BRUSH GUARD						
07	TRANSMISSION						21	BUMPERS						
08	TRANSFER						22	VEHICLE ACCESSORIES						TOTAL COST OF THESE REPAIRS \$
09	DRIVE SHAFT						22	CANVAS						
10	FRONT AXLE						22	INSTRUMENTS						
11	INTERMEDIATE AXLE						27	ARMAMENT						
11	REAR AXLE						28	PAINT						
12	PARKING BRAKE						28	FIFTH WHEEL						INDIVIDUAL REPAIR EXPENDITURE LIMIT \$
12	SERVICE BRAKE SYSTEM						30	DUMP HOIST						
12	AIR SYSTEM						31	WRECKER BOOM						

DATE		MECHANIC SIGNATURE	
ACTIVITY		DATE	SIGNATURE OF MAINTENANCE OFFICER

GENERAL INSTRUCTIONS

1. Purpose. The primary purposes of this form are to establish a classification for Marine Corps Motor Transport vehicles, based on their mechanical condition and to determine the economical reparability of affected vehicles. The standards of this limited technical inspection will be in the pertinent technical manual for the vehicle, except that service will not be performed nor will assemblies be disassembled for inspection.

2. After careful consideration of all deficiencies found during this inspection, the vehicle will be classified by a "letter condition code" in accordance with the following.

LETTER CONDITION

A Serviceable - issuable without qualification

B Serviceable -issuable with qualification

C Serviceable - Priority issue

D Serviceable - Test/Modification

E Unserviceable - Limited restoration

F Unserviceable - Repairable (Use Codes W, Y, Z & 2 if applicable)

G Unserviceable - Incomplete

H Unserviceable - Condemned

W Repairable Repair Cost 11 - 25% Standard unit price

Y Repairable Repair Cost 26 - 40% Standard unit price

Z Repairable Repair Cost 41 - 65% Standard unit price

2 Repairable costs of repairs above 65% of unit price

Ref: MCO P4400.82

(Detailed explanation of classifications and condition codes are contained in MCO P4400 series).

3. The condition letter determined as a result of this inspection will be marked upon the vehicle in large type in a conspicuous place with gasoline -soluble paint.

SPECIFIC INSTRUCTIONS

4. Enter the complete nomenclature of the vehicle on the first full line on the front of this form as shown by the following examples:

a. Type of vehicle - Truck, 21/2 ton, 6x6, Cargo; Wrecker; Ambulance; etc.

- b. Unit assigned, 3/12, 9th MTBN, etc.
 - c. Size - 2 1/2 ton, 5 ton, etc.
 - d. Drive - 4x2; 6x6; 2 wheel, etc.
5. Fill in the equipment data on the following line. The model referred to in the second space is the manufacturer's model or series number for tactical vehicles. The age of the vehicle may be determined from the date of delivery imprinted on its nameplate or from available records. The mileage indicated should be the true value as determined from records if the speedometer is known to be incorrect.
6. On the third line, check the letter condition determined from this inspection.
7. Indicate the appropriate condition of the listed items according to the following categories:
- a. Satisfactory - The unit is not considered to require any repairs.
 - b. Repair - Requires repairs which can be accomplished without major disassembly of the unit or the equipment.
 - c. Replace - The unit is in need of repairs which will necessitate major disassembly, or the unit is considered to be beyond economical repair.
 - d. Missing - The unit listed as missing will require replacement if the equipment is completed and placed in serviceable condition. Missing items must be fully justified in Remarks column. Items missing due to cannibalization will not be condoned.
8. In the blank spaces provided, list any additional items which are not in satisfactory condition, indicating the condition of each.
9. Where there is more than one unit of the listed item on the vehicle, enter the appropriate number rather than a checkmark under the column to indicate their condition.
10. Unless otherwise required, the cost figures need only be entered when the economical reparability of the vehicle is to be determined or when disposition instructions for the vehicle are requested.
11. Indicate the following information in the provided spaces:
- a. MI/TI TO BE APPLIED-. This determination will be made by visual inspection without disassembly.
 - b. Enter any missing items not otherwise shown which will affect the class and service of the vehicle.

c. Major Damage Obviously Due to Other Than Fair Wear and Tear. - Enter items, such as frozen cylinder block, damage in transit, and damage due to wrecks, that are required to establish responsibility for this condition.

d. Remarks. - Enter any other information not otherwise included that is considered of importance and to have a bearing on the classification assigned.

Attachment 5

IUID/UII Pre-Induction Checklist

For Marine Corps Registration Number _____

NSN	Nomenclature	Is IUID Mark Present Y/N	Is the IUID Scannable Y/N	Has this NSN Been Validated in TDS Y/N	Has this NSN Been Validated in IUID Registry Y/N
2815-01-561-3693	CAT Engine C15				
2520-01-558-3684	Transmission, 4700 GEN IV				
2520-01-566-8372	Transfer Case				
2520-01-472-9143	Differential, Dressed #1				
2520-01-590-8241	Differential, Dressed #2				
2520-01-591-6158	Differential Dressed #3				
2520-01-590-8257	Differential Dressed #4				
2520-01-590-8259	Differential Dressed #5				
2530-01-574-7930	Steering Gear, Front Drive Primary Master				
2530-01-539-2812	Steering Gear, Front Drive Secondary				
2530-01-574-7917	Steering Gear, Back Drive Primary				
2540-01-557-0067	Motor, Direct Fan Drive Assembly				
2540-01-602-4977	Motor, Hydraulic, Winch and Cable Assembly Auxiliary				
2930-01-576-3491	Pump, Assembly				

IUID/UH Pre-Induction Checklist Continued

NSN	Nomenclature	Is IUID Mark Present Y/N	Is the IUID Scannable Y/N	Has this NSN Been Validated in TDS Y/N	Has this NSN Been Validated in IUID Registry Y/N
2590-01-598-2188	Winch and Cable Assembly, 60K				
4420-01-558-4773	Radiator Assembly				
2990-01-474-5787	Starter, 24 Volt				
3010-01-581-3441	Gearbox Assembly Steering				
2520-01-555-9892	PTO, Super Torque, PTO Assembly				
2530-01-565-3484	Steering Gear, Back Drive Secondary				
6115-01-555-6342	Generator, 400 AMP				
2510-01-581-7030	Fifth Wheel Assembly				
2510-01-192-0631	Fifth Wheel Plate Assembly				
2510-01-591-0266	Cab, Assembly, Tractor				

Attachment 6

IUID/UII Final Assembly Checklist

For Marine Corps Registration Number _____

PEI NSN 2320-01-592-7353

NSN	Nomenclature	Is IUID Mark Present Y/N	Is the IUID Scannable Y/N	Has this NSN Been Validated in TDS Y/N	Has this NSN Been Validated in IUID Registry Y/N
2815-01-561-3693	CAT Engine C15				
2520-01-558-3684	Transmission, 4700 GEN IV				
2520-01-566-8372	Transfer Case				
2520-01-472-9143	Differential, Dressed #1				
2520-01-590-8241	Differential, Dressed #2				
2520-01-591-6158	Differential Dressed #3				
2520-01-590-8257	Differential Dressed #4				
2520-01-590-8259	Differential Dressed #5				
2530-01-574-7930	Steering Gear, Front Drive Primary Master				
2530-01-539-2812	Steering Gear, Front Drive Secondary				
2530-01-574-7917	Steering Gear, Back Drive Primary				
2540-01-557-0067	Motor, Direct Fan Drive Assembly				
2540-01-602-4977	Motor, Hydraulic, Winch and Cable Assembly Auxiliary				
2930-01-576-3491	Pump, Assembly				

IUID/UII Final Assembly Checklist Continued

NSN	Nomenclature	Is IUID Mark Present Y/N	Is the IUID Scannable Y/N	Has this NSN Been Validated in TDS Y/N	Has this NSN Been Validated in IUID Registry Y/N
2590-01-598-2188	Winch and Cable Assembly, 60K				
4420-01-558-4773	Radiator Assembly				
2990-01-474-5787	Starter, 24 Volt				
3010-01-581-3441	Gearbox Assembly Steering				
2520-01-555-9892	PTO, Super Torque, PTO Assembly				
2530-01-565-3484	Steering Gear, Back Drive Secondary				
6115-01-555-6342	Generator, 400 AMP				
2510-01-581-7030	Fifth Wheel Assembly				
2510-01-192-0631	Fifth Wheel Plate Assembly				
2510-01-591-0266	Cab, Assembly, Tractor				

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Attachment 7



UNITED STATES MARINE CORPS LVSR FINAL INSPECTION RECORD

JOB ORDER No. _____

MARINE CORPS REGISTRATION No. _____

VIN No. _____

MILES _____

HOURS _____

INSPECTOR: _____

DATE: _____



This checklist is intended for use as a guideline.
The technical manual will be used to clarify discrepancies.

Section IX. ROAD TEST AND FINAL INSPECTION

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Inspection and Testing Instruction

1.0.1. Each LVSR repaired shall be according to this IROAN PWS and shall be fully inspected, operationally tested, and certified to be complete with all discrepancies corrected.

1.0.2. Deficiency record, check-off of deficiencies, corrected records, written inspection logs, and final inspection records shall be maintained and become the permanent record of the end item.

1.0.3. Quality Control personnel shall ensure all Modification Instructions (MI's) and Technical Instructions (TI's) applicable to the LVSR variant as of the date of IROAN have been applied to the LVSR to be inspected.

Inspection Safety Check

2.0.1. An inspection safety check shall be accomplished prior to LVSR operation.

2.0.2. Under no circumstances will an inspector accept a vehicle for operational test when, due to certain apparent discrepancies, it may be hazardous to operate the vehicle.

2.0.3. The inspector will make a visual check and prepare a written check-off to determine the LVSR's readiness for inspection by noting the following:

Tires properly inflated	Yes _____ No _____
All systems free of leaks	Yes _____ No _____
Brake system functions properly	Yes _____ No _____
Hydraulic system functions properly	Yes _____ No _____
Electrical system functions properly	Yes _____ No _____
Service Taillight	R _____ L _____
Service Stop light	R _____ L _____
Blackout Taillight	R _____ L _____
Blackout Stop Light	R _____ L _____
Turn indicator	R _____ L _____
Clearance and Marker Lights	R _____ L _____

The inspector shall ensure that the various C4I Integration System A-kits and wiring facilitate

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installation and operation of the following associated equipment in Table 1 in this Attachment.

Table 1.

	Operates Correctly	Operates Incorrectly
Electronic Countermeasure		
Surveillance Tracking		
Driver Vision Enhancer		
Communications		
AN/VCR-113		

Road Test and Final Inspection Requirements. After the vehicle has been released to the inspector for road test and final inspection, he will make a visual check of items noted in TM 11316A/12493A-OR/1. In addition, the following items will be checked prior to road test.

4.0.1. Electrical cables connected properly Yes_____ No_____

4.0.2. Air lines connected properly Yes_____ No_____

4.0.3. Hydraulic lines connected properly Yes_____ No_____

4.0.4. Road tests shall be performed on smooth, level, hard-surfaced roads at sustained speeds without incurring damage to the LVSR.

4.0.5. The vehicle shall be completely assembled and serviced, but need not be pay loaded.

4.0.6. A Road Test and Final Inspection Checklist sheet shall be completed along with data sheets for all vehicles and for the wrecker the safety certification and load test requirement as per MCO P11262 shall also be completed.

Each characteristic listed shall be inspected to ensure controllability of the vehicle combination. Inspect the LVSR according to Table 2 in this attachment.

Table 2

Item No	Parameter	Requirement	Method of Inspection	Pass	Fail
1	Engine Oil Level	Engine oil level should be on the "F" mark on the engine oil dipstick.	Visual/Functional		
2	Engine Coolant Level	Engine coolant should be seen in sight glass on radiator. Add coolant to radiator if not showing in sight glass. Refer to TM 11316A/12493A-OR	Visual/Functional		
3	Hydraulic Fluid Level	Hydraulic fluid level should be above the "add" mark but not over the "full" mark in sight glass on hydraulic reservoir	Visual/Functional		
4	Fuel/Water Separator	Check fuel/water separator for water in sediment bowl	Visual/Functional		
5	Engine Idle	Tachometer reads 600 – 1000 rpm with engine idling	Visual/Functional		
6	Engine Oil Pressure	Idle -Ensure engine oil pressure light goes out after engine starts	Visual/Functional		

Table 2 Continued

7	Low Air Pressure Buzzer (Brake System)	Low air pressure buzzer will stay on until air pressure in brake system reaches 64 to 76 psi (441 to 524 KPA)	Visual/Functional		
8	Air Cleaner Restriction Indication	Ensure air restriction indicator is showing yellow for clean condition	Visual/Functional		
9	Battery Voltage	24 to 30 Volts	Visual/Functional		
10	Automatic Traction Control	Warning! Indicator light is amber. Refer to TM 11316A/12493A-OR/1 for proper operation.	Visual/Functional		
11	Fuel Level Gauge	Fuel level gauge must register equivalent to tank level	Visual/Functional		
12	Water Temperature (after warm-up)	160° to 220°F (71°C to 104°C)	Visual/Functional		
13	Transmission Temperature (after warm-up)	160° to 300°F (71°C to 121°C)	Visual/Functional		
14	Transmission Oil	Check transmission oil level with engine running and transmission in neutral. If transmission temperature is below 160°F (71°C), fluid level should be in "COLD RUN" area; if above 160°F (71°C), fluid level should be in "HOT RUN" area. Refer to TM 11316A/12493A-OR/1	Visual/Functional		

Table 2 Continued

15	Windshield Washer	Check windshield washers for proper operation and adjustment	Visual/Functional		
16	Windshield Wipers	Check windshield wipers for proper operation and travel	Visual/Functional		
17	Heater	Check heater for proper operation	Visual/Functional		
18	Defroster	Check heater for proper operation	Visual/Functional		
19	Trailer Brake Control	Ensure trailer brake control operates and applies brakes properly	Visual/Functional		
20	Throttle Treadle Valve	Ensure throttle treadle valve allows smooth acceleration. No binding or sticking are permitted	Visual/Functional		
21	Transmission	Ensure forward and reverse operation, smooth shifting, and check for unusual noises	Visual/Functional		
22	Transfer Case	Ensure high and low range operation, drive line lockup operation, and check for unusual noises	Visual/Functional		
23	Drive train	Check for unusual noises and excessive vibration are not permitted	Visual/Functional		
24	Steering	Ensure steering operation is smooth and does not pull or wander	Visual/Functional		

Table 2 Continued

25	Exhaust System	Ensure exhaust system is secured properly. Check for excessive smoke.	Visual/Functional		
26	Parking Brake	Ensure parking brake holds with transmission in gear and releases brakes fully	Visual/Functional		
27	Service Brakes	Service brakes shall be tested to the extent necessary to ensure proper operation and performance. The service brakes shall control, decelerate, and stop the LVS on dry, hard, level, smooth ground. Application of brakes on all wheels of the LVS and trailer shall be concurrent.	Visual/Functional/Tactile		
28	Wheels and Hubs	Wheels and hubs shall be free of wobble and noise	Functional/ Audible		
29	Abnormal Heating	Wheels, hubs, and brakes shall be free of abnormal heating conditions	Functional/Tactile		
30	Leaks (Brakes on)	Brake air system, wheel hubs, and tires shall be free of leaks	Visual/Functional/Gauge		
31	Lamp Operational	Service stop lamp, service tail lamp, blackout stop lamp, clearance lamps, and turn indicators shall operate properly and be free from defects	Visual/Functional		

Table 2 Continued

32	Seals Check	Bearings shall be checked after five- mile road test for lubrication leakage and dirt contamination.	Visual/Functional/ Tactile		
33	Controls Check	All controls shall be operated and checked for functional requirements	Visual/Functional/ Tactile		
34	Adjustment Mechanism Check	All electrical, mechanical, and pneumatic adjustment mechanisms shall be checked for proper adjustment and shall be adjusted if required. Refer to TM 2320-DE/1	Visual/Functional/ Tactile		
35	Tire Check	All tires shall be checked for mounting, installation, and conformance to requirements as specified	Visual/Functional		
36	Painting, Marking and Data Plate Check	Painting, marking, and service data plate shall be inspected for conformance to specifications and any special requirements	Visual/Functional		

Table 2 Continued

37	Cleaning and Drying Specification	Exterior surfaces of vehicle shall be free of dirt grease, and any other contaminants. Exposed surface, to which application of preservative is specified, shall be cleaned and dried with applicable process procedures to accomplish cleaning without damage to the item.	Visual/Functional/Tactile		

Attachment 8

[illegible]

Attachment 9

LVSR Armored Monthly IROAN Checklist

USMC Registration #						
Date In						
Date Out						
Mileage						
Hours						
Were all Vehicle Data Plates Installed? Y/N						
Were all UID data plates Installed? Y/N						
Were the Various C4I Integrated Systems Installed? Y/N						
Was Engine Replaced? Y/N						
Was Transmission Replaced? Y/N						
Was Transfer Case Replaced? Y/N						

Attachment 10

List of Secondary Reparable to be IUID/UII Marked

For Marine Corps Registration Number

NSN	Nomenclature	Less Than \$5,000 Unit Cost Y/N	Embedded Y/N	Gov Furnished Property Y/N	Warranty Y/N	Tech Data Package/MI Y/N	In OSD Registry Y/N	In USMC TDS Y/N
2815-01-561-3693	CAT Engine C15							
2520-01-558-3684	Transmission, 4700 GEN IV							
2520-01-566-8372	Transfer Case							
2520-01-472-9143	Differential, Dressed #1							
2520-01-590-8241	Differential, Dressed #2							
2520-01-591-6158	Differential Dressed #3							
2520-01-590-8257	Differential Dressed #4							
2520-01-590-8259	Differential Dressed #5							
2530-01-574-7930	Steering Gear, Front Drive Primary Master							
2530-01-539-2812	Steering Gear, Front Drive Secondary							
2530-01-574-7917	Steering Gear, Back Drive Primary							
2540-01-557-0067	Motor, Direct Fan Drive Assembly							

List of Secondary Reparable to be IUID/UII Marked Continued

NSN	Nomenclature	Less Than \$5,000 Unit Cost Y/N	Embedded Y/N	Gov Furnished Property Y/N	Warranty Y/N	Tech Data Package/MI Y/N	In OSD Registry Y/N	In USMC TDS Y/N
2540-01-602-4977	Motor, Hydraulic, Winch and Cable Assembly Auxiliary							
2930-01-576-3491	Pump, Assembly							
2590-01-598-2188	Winch and Cable Assembly, 60K							
4420-01-558-4773	Radiator Assembly							
2990-01-474-5787	Starter, 24 Volt							
3010-01-581-3441	Gearbox Assembly Steering							
2520-01-555-9892	PTO, Super Torque, PTO Assembly							
2530-01-565-3484	Steering Gear, Back Drive Secondary							
6115-01-555-6342	Generator, 400 AMP							
2510-01-581-7030	Fifth Wheel Assembly							
2510-01-192-0631	Fifth Wheel Plate Assembly							
2510-01-591-0266	Cab, Assembly, Tractor							

Attachment 11
Engineering Change Proposals

Depot Repair Engineering Change Proposal Verification and Application Report		
USMC REGISTRATION NUMBER: _____ MODEL NUMBER: _____		
ENGINEERING CHANGE PROPOSAL	Nomenclature	VERIFIED/APPLIED DATE: MM/DD/YYYY
ECP LVSR004r2	LVSR 111-mm Heated Transparent Armor	
ECP LVSR006r1	LVSR Add-on Armor Kit & Weapon Kit Improvements	
ECP LVSR019	LVSR Data Logger Accident Reconstruction Change	
ECP LVSR025	LVSR Electronic Control Assembly Hardware	
ECP LVSR027	LVSR Wall Passthrough Panel	
ECP LVSR028	Power Distribution Box	
ECP LVSR029r2	LVSR Alternator Upgrade	
ECP LVSR030	Weapons Kit Design to Accept Powered MCTAGS	
ECP LVSR032	LVSR CAT Engine VVA Line	
ECP LVSR035	LVSR Engine Oil Vent Routing	
ECP LVSR036	LVSR Armor Kit Updates	
ECP LVSR039	LVSR Pioneer Tool Kit Provisions	
ECP LVSR040	LVSR Turret Gunner Restraint System	
ECP LVSR044	LVSR VIM Software Updates	
ECP LVSR045	Accumulator Mounting Bracket	
ECP LVSR050	LVSR Slave Valve Caution Data Plate	
ECP LVSR053	LVSR Tractor Front Suspension Upgrade	
ECP LVSR058	LVSR Cargo Dust Caps and Plugs	

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Engineering Change Proposals Continued

ECP LVSR060	LVSR Tractor/Wrecker Fuel Tank Fire Suppression Kit	
ECP LVSR061r1	LVSR Stage 1 Crew Fire Suppression	
ECP LVSR065	LVSR Ignition Switch and Under Dash Wire harness Clipping	
ECP LVSR066	Integration of Accommodations for SPAWAR GFE Installation under DO 0081	
ECP LVSR069	LVSR Hydraulic Reservoir Sight Glass Guard	
ECP LVSR072	LVSR Improved Egress Hatch	
ECP LVSR077	LVSR Wrecker/Tractor Cab Harness Connector Cap	
ECP LVSR078	LVSR Improved Light Kit	
ECP LVSR080	LVSR Tractor Reducible Height Fifth Wheel Ramps	
ECP LVSR081	LVSR Maintenance Free PTO U-Joints	

11 February 2015

Attachment I3 COMSEC Material Report

1. (X one) TRANSFER INVENTORY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		DESTRUCTION HAND RECEIPT OTHER (Specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		3. DATE OF REPORT (Year, Month, Day) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		4. OUTGOING NUMBER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2. FROM		ACCT. NO.		5. DATE OF TRANSACTION (Year, Month, Day) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		6. INCOMING NUMBER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
7. TO		ACCT. NO.		8. ACCOUNTING LEGEND CODES* 1 - Accountable by serial number, 2 - Accountable by quantity, 3 - Initial receipt required, locally accountable by serial number thereafter, local accounting records must be maintained for a minimum of 90 days after supersession, 4 - Initial receipt required, may be controlled in accordance with Service/ Agency directives.		REMARKS 13.	
SHORT TITLE/DESIGNATOR - EDITION 9.		QUANTITY 10.		ACCOUNTING NUMBERS 11.		AL C 12.*	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34		BEGINNING					
14. THE MATERIAL HEREON HAS BEEN (X one)		RECEIVED <input type="checkbox"/> <input type="checkbox"/>		INVENTORIED <input type="checkbox"/> <input type="checkbox"/>		DESTROYED <input type="checkbox"/> <input type="checkbox"/>	
15. AUTHORIZED RECIPIENT		16. (X one)		WITNESS OTHER (Specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
a. Signature		b. Grade		a. Signature		b. Grade	
c. Typed or Stamped Name		d. Service		c. Typed or Stamped Name		d. Service	
17. FOR DEPARTMENT OR AGENCY USE							
Page of Pages							

Attachment I4
DD Form 1149 Requisition and Invoice/Shipping Document

96 94 95 97 98 99 00

11 February 2015

12	45	7	3	567	5	6789	1	#	45	78	#	23	#	78	9	0	1	2	3	456	9	1.	TOTAL PRICE	2.	SHIP FROM	3.	SHIP TO
3	6	RI	4	89	QUANTITY	SUPPLY- MENTARY ADDRESS	SIG	END	DATE	PRO	PRO	DATE	ADV	RI	COND	MST	UNIT PRICE	DOLLARS	CT	5	8	DMO	MCBQ	DODAAC			
<div> <div>TCN</div> <div>Doc Number:</div> </div> <div> <div>NSN:</div> </div>																											
<div> <div>24. DOCUMENT NUMBER</div> <div>25. NATIONAL STOCK NO.</div> </div>																											
<div> <div>26. PIC (4-6), U1 (23-24), D127 (55-56), U1 (74-80)</div> <div>27. ADDITIONAL DATA</div> </div>																											
<div> <div>16. FREIGHT CLASSIFICATION NOMENCLATURE</div> <div>17. ITEM NOMENCLATURE</div> </div>																											
<div> <div>18. TY</div> <div>19. NO CONT</div> <div>20. TOTAL WEIGHT</div> <div>21. TOTAL CUBE</div> <div>22. RECEIVED BY</div> <div>23. DATE RECEIVED</div> </div>																											
<div> <div>OTHER INFO</div> <div>Serial Numbers:</div> <div>Ship To:</div> <div>w/Bldg Number</div> <div>City, State and Zip Code</div> <div>Phone Number</div> <div>Street Address</div> </div>																											

COPY 1

Attachment 16
Weekly CCIR Material Report

11 February 2015

[illegible]

11 February 2015

Attachment 17

Marine Corps Logistic Command Discrepancy Report

**Marine Corps Logistics Command
Maintenance Management Center Discrepancy Report**

For a rapid response, submit this completed form to the Maintenance Management Center Workload section as soon as a discrepancy is identified.

1. Document Number:	2. TAMCN (if applicable):
3. Serial Number(s):	
4. Quantity:	5. Nomenclature:
6. NSN:	
7. Individual who signed for the assets:	8. Date(s) assets originally received:
9. Description of Discrepancy:	
10. Local actions taken to rectify discrepancy (if applicable):	
11. Enclose copies of the original shipping document(s) and pictures of the discrepancy as applicable.	
12. Point of Contact email address:	13. Point of Contact phone number:
14. Printed Name of Point of Contact:	
15. Signature of Point of Contact:	15a. Date of Submission:

PREVIOUS EDITION MAY BE USED

11 February 2015

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 1704-0188				
<p>The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.</p>										
A. CONTRACT LINE ITEM NO.		B. EXHIBIT C001		C. CATEGORY: TDP _____ TM _____ Other <u>XXX</u>						
D. SYSTEM/ITEM LVSR Armored Tractor		E. CONTRACT/PR No.			F. CONTRACTOR					
1. DATA ITEM No.		2. TITLE OF DATA ITEM Configuration Status Accounting			3. SUBTITLE ECP Effectivity Certification					
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-81253A		5. CONTRACT REFERENCE PWS Para 5.17			6. REQUIRING OFFICE LOGCOM (P706)					
7. DD 250 REQ NO		9. DIST STATEMENT REQUIRED A		10. FREQUENCY As REQ		12. DATE OF FIRST SUBMISSION See Blk 16		14. DISTRIBUTION		
8. APP CODE N/A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION As REQ		a. ADDRESSEE		
								b. COPIES		
								Draft		
								FINAL Reg Repro		
<p>16. REMARKS</p> <p>BLK 4. The contractor shall electronically submit Configuration Status Accounting (CSA) to the Requiring Office via MEARS Implementation Module at https://mears.1.redstone.army.mil/</p> <p>BLK 4. Per DI-CMAN-81253A, CSA information shall be provided in contractor's format. The content shall include, where applicable, information about the following:</p> <ul style="list-style-type: none"> a. Specifications generated for this project b. Drawings generated for this project c. Software listings generated for this project d. Supporting documents (such as test procedures, reports, analyses) generated as a part of this project e. Special identifiers utilized to "tag" parts, assemblies, software, used in the product f. Listings of parts installed in each serial-numbered product as delivered as as changed through maintenance and modification activities g. Engineering changes and their implementation activities h. Deviations and activities related to obtaining the consideration i. Configuration audit action items and their closeout j. For each project document, organizations performing the roles of Current Document Change <p>BLK12. Ten days after implementation of each ECP</p> <p>Point of contact for MEARS Implementation Module questions is Desmond Graham, 229-639-9063; desmond.graham@usmc.mil</p> <p>NSN 2320-01-592-7353</p>						LOGCOM P706		0	1	0
						DMC, SSD Code P821B		0	1	0
						PM M&HTV PMM 206.2		0	1	0
						LOGCOM S1930			1	
15. TOTAL						0	4	0		
G. PREPARED BY:		H. DATE		BROWN, KENNETH M 1094257049		J. DATE				

11 February 2015

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 1704-0188							
The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.													
A. CONTRACT LINE ITEM NO.		B. EXHIBIT E001		C. CATEGORY: TDP _____ TM _____ Other <u>XXX</u>									
D. SYSTEM/ITEM LVSAR Armored Base Tractor			E. CONTRACT/PR No.		F. CONTRACTOR								
1. DATA ITEM No.		2. TITLE OF DATA ITEM Request for IUID/UII Pre-Induction Checklist			3. SUBTITLE Pre-Induction Checklist								
4. AUTHORITY (Data Acquisition Document No.) DI MGMT 81803			5. CONTRACT REFERENCE PWS Par 5.18.2			6. REQUIRING OFFICE PM (M&HTV)							
7. DD 250 REQ. NO		9. DIST STATEMENT REQUIRED C		10. FREQUENCY Monthly		12. DATE OF FIRST SUBMISSION See Blk 16		14. DISTRIBUTION					
8. APP CODE N/A				11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION 10th of Month		a. ADDRESSEE					
								b. COPIES					
								Draft					
								FINAL					
								Reg					
								Repro					
16. REMARKS Block 5. The contractor shall fill out Attachment 5 of the PWS and submit electronic copy to PM M&HTV LMS and Equipment Specialist by the 10th of the month. POCs are robert.hanovich@usmc.mil , mark.zaikarite@usmc.mil and peter.w.gilman@usmc.mil						PM (M&HTV)		0		1		0	
						LOGCOM SI930				1			
15. TOTAL						0		2		0			
G. PREPARED BY: GILMAN,PETER.W.10319378 21				H. DATE		I. APPROVED BY: HANOVICH,ROBERT. LEE.1095936918		J. DATE					

DD FORM 1423-1, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED

Page 1 of 1 Pages
Designed using Perform Pro, WHS/D/or, Aug 96

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)					Form Approved OMB No. 0704-0188		
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</p>							
A. CONTRACT LINE ITEM NO.		B. Exhibit G001		C. CATEGORY: TDP _____ TM _____ OTHER <u>XXX Production Report</u>			
D. SYSTEM/ITEM LVSR Armored Tractor			E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM DEPOT MAINTENANCE PRODUCTION REPORT				3. SUBTITLE MONTHLY PRODUCTION REPORT		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE PWS Paragraph 5.18.3		6. REQUIRING Office MARCORLOGCOM ALB		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY MONTHLY - 5th	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
8. APP CODE A		11. AS OF DATE SEE BLCK 16	13. DATE OF SUBSEQUENT SUBMISSION SEE BLCK 16	a. ADDRESSEE		b. COPIES	
						Draft	
						Reg	
						Repro	
<p>16. REMARKS</p> <p>Block 4: Format for production report is provided in the Performance Work Statement (PWS).</p> <p>The following paragraphs in the DID do not apply: 10.1a. (2), (5), (6), (7), (8), (9), (10), (15), (20), (21), and paragraph 10.1b change part 11 to be included on the production report provided in the Remarks area (Column K.)</p> <p>Blocks: 10, 12, and 13. The first submittal of this report is required on the 5th of every month after contract has been awarded or first asset has been received for maintenance.</p> <p>These monthly reports will be sent to e-mail address in an EXCEL spreadsheet format: smblgcommmcmgsb@usmc.mil.</p> <p>If DSOR has multiple lines for Marine Corps workload, one consolidated report is requested. Please see below for descriptive information required in USMC's production report.</p> <p>(1) Block 1, DSOR. Name of depot source of repair.</p> <p>(2) Block 2, DSOR/Contractor AAC. DoD Activity Address Code.</p> <p>(3) Column A, MIPR Number/Contract Number. Self explanatory.</p> <p>(4) Column B, National Stock Number. Self explanatory.</p> <p>(5) Column C, TAMCN. USMC uses TAMCN to identify principal end-items. Not a mandatory field but preferred if one is provided on contract or Statement of Work.</p> <p>(6) Column D, Serial Number. Serial Number(s) of equipment being repaired.</p> <p>(8) Column E, Received not Inducted. Self explanatory.</p> <p>(9) Column F, Date Inducted. Date item(s) pulled into maintenance.</p> <p>(10) Column G Washed Out/BER (Beyond economical repair). Self Explanatory.</p> <p>(11) Column H, Date Completed. Date item(s) restored to serviceable condition.</p> <p>(12) Column I, Change NSN/Serial Number. If asset is converted or changed due to modification or an engineering change proposal.</p> <p>(13) Column J, Receipt Document Number. This is to identify document asset shipped to source of repair from Marine Corps.</p> <p>(16) Column K, Remarks. This is to be used to relay any problems or anticipated problems with contracted workload.</p> <p>Distribution Statement A: Approved for public release. Distribution is unlimited.</p>				MarCorLogCom P635		1	
				LOGCOM S1930		1	
				15. TOTAL			
G. PREPARED BY Carole B Jones			H. DATE	I. APPROVED BY Carole B Jones		J. DATE	

DD FORM 1423-1, AUG 96 (EG)

11 February 2015

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188		
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</p>								
A. CONTRACT LINE ITEM NO.		B. Exhibit K001		C. CATEGORY: TDP _____ TM _____ OTHER <u>DD Form 1348/DD Form 1149/SF 153/MMC</u> <u>Discrepancy Report</u>				
D. SYSTEM/ITEM <u>LVSr Armored Tractor</u>			E. CONTRACT/PR NO.		F. CONTRACTOR			
1. DATA ITEM NO.		2. TITLE OF DATA ITEM <u>Report of Receipts, Inventory, Adjustments, and Shipments of Government Property</u>			3. SUBTITLE <u>Asset Accountability of Government Property</u>			
4. AUTHORITY (Data Acquisition Document No.) <u>DI-MGMT-80442</u>			5. CONTRACT REFERENCE			6. REQUIRING OFFICE <u>MARFORLOGCOM ALB</u>		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY <u>SEE BLOCK 16</u>		12. DATE OF FIRST SUBMISSION <u>SEE BLOCK 16</u>		14. DISTRIBUTION		
8. APP CODE A	A	11. AS OF DATE <u>SEE BLOCK 16</u>		13. DATE OF SUBSEQUENT SUBMISSION <u>SEE BLOCK 16</u>		a. ADDRESSEE		
<p>16. REMARKS:</p> <p>Block 4: Format for Asset Accountability of Government Property is provided in the Performance Work Statement (PWS) as Physical Inventory Document. Also provide copies of receipt and shipping documentation on a DD Form 1348s, DD Form 1149s and SF 153s. A format for identifying any discrepancies is also provided in the PWS.</p> <p>The following paragraphs in the DID do not apply: 10.1, 10.2.2, 10.2.2.1, 10.2.2.2, 10.2.3.1, 10.2.4</p> <p>Block 10: Physical Inventory Report upon request. (i.e. every 3 years). Copies of receipt and shipping documentation shall be required when transfer of custody occurs. The discrepancy report shall be submitted as discrepancy is identified.</p> <p>Requirements in paragraphs 10.2.1 and 10.2.3 will disregard references to columns 9 and 13 and use format of reports provided in PWS.</p> <p>Per the PWS, transfer of custody for the reporting and accountability of government assets will be communicated using the DD Form 1348, DD Form 1149, or SF 153 and shall be completed in its entirety containing all required information. All reports and templates are listed in the PWS.</p> <p>These documents/reports shall be sent electronically to the LOGCOM Maintenance Management Center organizational mailbox: smblogcommmcsb@usmc.mil</p> <p>Distribution Statement A: Approved for public release. Distribution is unlimited.</p>						LOGCOM S1930		
						smblogcommmcsb@usmc.mil		
						16. TOTAL		
G. PREPARED BY <u>1st Lt Stephen Rondone</u>			H. DATE		I. APPROVED BY <u>BROWN.KENNET</u> <u>H.M.1094257049</u>		J. DATE	

DATA ITEM DESCRIPTION**Title: REQUEST FOR DEVIATION (RFD)****Number: DI-CMAN-80640C Approval Date: 20000930****AMSC Number: D7389 Limitation: N/A****DTIC Applicable: No GIDEP Applicable: No****Office of Primary Responsibility: D/DUSD(AT&L)SE****Applicable Forms: N/A**

Use, Relationships: A Request for Deviation describes a proposed departure from (a nonconformance

with) the contractually-specified configuration documentation for a specific number of units or for a specified period of time.

A Request for Deviation enables the Government to determine the impact on performance, operational readiness, logistics support or other affected areas.

This Data Item Description (DID) contains the format, content and preparation instructions for the data product resulting from the work task specified in the contract.

Data Item Description submittal in Extensible Markup Language (XML) is acceptable.

An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>

This DID supersedes DI-CMAN-80640B and DI-CMAN-80641B.

Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2. Format and content. The Request for Deviation (RFD) shall be prepared in contractor format. The RFD content shall include the consideration to be provided if the government accepts the deviation and, where applicable, the following information:

a. A complete description of the contract requirement affected and the nature of the deviation (non-conformance).

b. Number of units (and serial/lot numbers) to be delivered in this configuration.

c. Any impacts to logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel or to the operational use of the product.

d. Information about remedial actions being taken to prevent reoccurrence of the non-conformance.

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (paragraph 4.3 and Table 4-9) and ANSI/EIA-649-2011, National Consensus Standard for Configuration Management (paragraph 5.3.4).

END OF DI-CMAN-80640C.

DATA ITEM DESCRIPTION**Title: ENGINEERING CHANGE PROPOSAL (ECP)****Number: DI-CMAN-80639C Approval Date: 20000930****AMSC Number: D7388 Limitation: N/A****DTIC Applicable: No GIDEP Applicable: No****Office of Primary Responsibility: D/DUSD(AT&L)SE Applicable Forms: N/A**

Use, Relationships: An Engineering Change Proposal (ECP) provides the documentation in which the engineering change is described. It includes change impacts to systems, configuration items and other associated configuration documentation affected by the proposed change. In addition, it typically describes how the proposed change will be implemented along with providing estimated schedules and associated costs.

This Data Item Description (DID) contains the format, content and preparation instructions for the data product resulting from the work task specified in the contract. This DID is used in conjunction with a Notice of Revision (NOR) (DI-CMAN-80642B). A requirement for NORs should be contractually imposed in conjunction with this DID. Data Item submittal in Extensible Markup Language (XML) is acceptable. An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>. This DID supersedes DI-CMAN-80639B.

Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. The Engineering Change Proposal (ECP) shall be prepared in contractor format. The ECP content shall include, where applicable, the following information:
 - a. The change priority, change classification, and change justification.
 - b. A complete description of the change to be made and the need for that change.
 - c. Complete listing of other configuration items impacted by the proposed change, and a description of the impact on those CIs.
 - d. Proposed changes to documents controlled by the government.
 - e. Proposed serial (or lot) number effectivities of units to be produced in, or retrofitted to, the proposed configuration.
 - f. Recommendation about the way a retrofit should be accomplished.
 - g. Impacts to any logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel in support of the product.

- h. Impacts to the operational use of the product.
- i. Complete estimated life-cycle cost impact of the proposed change.
- j. Milestones relating to the processing and implementation of the engineering change.

DI-CMAN-80639C

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (paragraph 4.2 and Table 4-6) and ANSI/EIA-649-2011, National Consensus Standard for Configuration Management (paragraph 5.3.1).
END OF DI-CMAN-80639C.

DATA ITEM DESCRIPTION

Title: CONFIGURATION STATUS ACCOUNTING

Information Number: DI-CMAN-81253A

AMSC Number: D7396 Limitation N/A

DTIC Applicable: No GIDEP Applicable: No

Office of Primary Responsibility: D/DUSD(AT&L)SE

Applicable Forms: N/A Approval Date: 20000930

Use, Relationships: The Configuration Status Accounting (CSA) information provides details about the current configuration of items being developed for and/or used in the DoD inventory; about documentation and identification numbers relating to those items; and about changes to the items and their configuration documentation. This information is needed to manage and support those items during their life cycle.

This Data Item Description (DID) contains the format, content and preparation instructions for the data product resulting from the work task specified in the contract. This Data Item Description (DID) contains the delivery requirements for CSA information; the format for delivery, either in hard copy or electronic form, must be specified in the contract.

Data Item Description submittal in Extensible Markup Language (XML) is acceptable. An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>

This DID supersedes DI-CMAN-81253.

Requirements:

1. Reference documents. The applicable issue of the document cited herein, including its approval date and the date of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. CSA information shall be provided in contractor's format. The content shall include, where applicable, information about the following:
 - a. Specifications generated for this project.
 - b. Drawings generated for this project.
 - c. Software listings generated for this project.
 - d. Supporting documents (such as test procedures, reports, analyses) generated as a part of this project.
 - e. Special identifiers utilized to "tag" parts, assemblies, software, used in the product.
 - f. Listings of parts installed in each serial-numbered product as delivered and as

changed through maintenance and modification activities.

g. Engineering changes and their implementation activities.

h. Deviations and activities related to obtaining the consideration i. configuration audit action items and their closeout.

j. For each project document, organizations performing the roles of Current Document Change Authority, Application Activity, and Document Custodian.

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (in the CSA sections of Tables 2-1, 2-2, 2-3, and 2-4 and in paragraph 5 and Table 5-1) and ANSI/EIA-649-2011, National Consensus Standard for Configuration Management (paragraph 5.4) may be used to select/describe the detailed information elements.

END OF DI-CMAN-81253A.

DATA ITEM DESCRIPTION

Title: Item Unique Identification (IUID) Marking Plan

Number: DI-MGMT-81803 Approval Date: 20110719

AMSC Number: 9124 Limitation: N/A

DTIC Applicable: No GIDEP Applicable: No

Office of Primary Responsibility: 70 (OO-ALC)

Applicable Forms: N/A

Use/relationship: The Item Unique Identification (IUID) Marking Plan details the Contractor's strategy to execute marking requirements identified in the Government Performance Work Statement (PWS)/Objectives, and/or Defense Federal Acquisition Regulation Supplement (DFARS). The Plan fully documents the scope of meeting MIL-STD-130_ DoD Standard Practice Identification Marking of U.S. Military Property, with the Contractor's marking requirements, marking methodology/strategy, data management, quality assurance, facilities and marking equipment, technical data package requirements, data carrier symbols and print quality, and the master schedule to help the Government manage marking activities in a cost effective and timely manner. To ensure quality, validation, verification, and registration of items being marked, guidance may be gained from two documents: DoD Guide to Uniquely Identifying Items (Assuring valuation, Accountability and Control of Government Property) and DoD Guide to Item Unique Identification Quality. If the quality measuring methodology is non-responsive for desired marking methods, quality levels will be identified within this plan.

This Data Item Description (DID) contains format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. This DID may be applied in any contract which contains a requirement for marking parts and equipment with IUID Data Matrix symbols.

Requirements:

1. Reference documents: The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, will be as cited online at Acquisition Streamlining and Standardization Information System (ASSIST) Update at the time of the solicitation.
2. Format. Contractor's format is acceptable.
3. Content. The Marking Plan will cover the following elements:
 - 3.1 Describe the minimum item marking requirements
 - 3.2 List/Detail items/assets to be marked within the scope of the plan.
 - 3.3 Marking Methodology/Strategy
 - 3.3.1 Describe which type of marking methodology will be used (i.e., Direct or Indirect Part Marking, Data Plate Modification, etc.).
 - 3.3.2 Describe the Imprint Method / Type of Label / Nameplate (i.e., Chemical Etch, Dot Peen, Laser, Thermal Transfer, Ink Jet, Photo Etch, etc.).
 - 3.3.3 Marking Specifications.
 - 3.3.3.1 Identify applicable engineering drawings requiring IUID marking.
 - 3.3.3.2 Machine Readable Mark Generation Instructions.
 - 3.3.3.2.1 Define the construct method (i.e. Construct 0, Construct 1, - 18S, 25S, or Construct 2 - 1P 1T.
 - 3.3.3.2.2 Determine the Enterprise Identifier (EID) (i.e. Cage, DUNS, DoDACC/MAPAC, or

GS1).

3.3.3.2.3 Determine the level of serialization (i.e., Part, Lot, Batch, Enterprise, etc.).

3.3.3.2.4 If using Construct 1 – 18S, identify the sequence number generation process.

3.3.3.2.5 Determine other data elements required in the data matrix symbol (30P and 30T).

3.3.3.3 Determine the Human Readable Mark Generation elements to be included on the label.

3.3.3.4 For labels/nameplates, identify which type of material will be used for the creation of the Mark (i.e., Aluminum, Polyacrylic, Metal Foil, Polyester, Polyvinyl, Aluminum Foil, Stainless Steel, etc.).

3.3.3.5 Describe the overall layout of the Mark including (Reference Tech Data as applicable).

3.3.3.5.1 Size (Length, Width, Thickness, etc.).

3.3.3.5.2 Shape (Circle, Square, Rectangle, Rounded Corners, etc.).

3.3.3.5.3 Layout/Order (Location of Human and Machine Readable elements).

3.3.3.5.4 Marking Location on Asset .

3.3.3.5.5 Type of Lettering (Font, Font Size, Color, etc.).

3.3.3.5.6 Attachment Method (Adhesive, Screws, Rivets, Tags, Bag and Tag, Tags and Bands, etc.). For Tag, and Bag/Band and Tag items, provide evidence of why part could not be marked and Government concurrence.

4. Describe the contractor's process for marking legacy parts, Government Furnished Property (GFP), and Property in Possession of Contractor (PIPC) including tooling.

4.1 Data Management.

4.1.1 Describe the systems required to incorporate Serial Number Tracking (SNT) and Parent/Child relationship if any and communicate the IUID data to the Program Manager.

4.1.2 Describe the contractors process/systems required to assign Unique Items Identifiers (UIIs) and register Unique Identification (UID) information to the Department of Defense IUID Registry.

4.1.3 Describe the contractors process/system used to identify and track all warranted items i.e. all items with an extended warranty (more than just the standard contract time and workmanship), provide length of warranty, and date entered service (i.e. via WAWF). Describe how the contractor will mark/use the IUID data on the package and shipping containers.

4.2 Quality Assurance.

4.2.1 Describe the verification process and any sampling techniques which ensure the Machine Readable Information (MRI) complies with applicable standards as prescribed in MILSTD-130_.

4.2.2 Identify a format for reporting verification results to include pass/fail and any acceptance criteria from MIL-STD-130_ in paragraph 5 titled Data Matrix symbol quality.

4.2.3 Describe the process for identifying and reporting deficiencies in the mark properties, as well as repair and replacement procedures.

4.2.4 Include UID Contract Data Requirements List (CDRLs) as part of the surveillance method or Quality Assurance processes.

4.2.5 Describe the contractor's process used to document UII marking of legacy parts that an IUID Engineering Assessment completed when they are returned to the depot for repair, i.e., Repair Receiving Report (R3).

4.3 Facilities and Marking Equipment.

4.3.1 Describe the facilities, marking equipment, floor space, utilities, environmental and

safety elements, etc. required to meet marking requirements on a production basis.

4.4 Technical data package requirements.

4.5 Master Schedule.

5.0 End of DI-MGMT-81803

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DATA ITEM DESCRIPTION			Form Approved OMB No. 0704-0188	
<p>Public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</p>				
1. TITLE		2. IDENTIFICATION NUMBER		
Depot Maintenance Production Report		DI-ALSS-80728A		
3. DESCRIPTION/PURPOSE				
<p>3.1 The depot maintenance production report is a two-part report which provides the government with monthly maintenance production figures, status of assets at the contractor facility, anticipated production for the next month, and a summary of unresolved problems at the end of the report period.</p>				
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)		6a. DTIC APPLICABLE	6b. GDSF APPLICABLE
970124	F/AFMC-FM			
7. APPLICATION/INTERRELATIONSHIP				
<p>7.1 This data item description contains the format, content and preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.</p> <p>7.2 This data item description may be used on any depot level maintenance contract.</p> <p>7.3 This DID supersedes DID DI-ILSS-80728.</p>				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER	
		AFMC Form 413	F7225	
10. PREPARATION INSTRUCTIONS				
<p>10.1 <u>Content and format.</u> This report shall be on an Air Force Materiel Command Form 413, Depot Maintenance Production Report. The report shall consist of two parts and contain data as follows:</p> <p>a. <u>Part I.</u></p> <p>(1) <u>As of date.</u> The year, month and day applicable to the report. Data must be through the end of the month.</p> <p>(2) <u>Block 1, Air Force management code.</u> The Federal Supply Class (FSC) and the Materiel Management Code (MMC) when appropriate.</p> <p>(3) <u>Block 2, Contractor and activity address code (AAC).</u> The name of the business and the DOD activity address code (AAC) assigned to you for shipment of material.</p> <p>(4) <u>Block 3, Contract number.</u> Contract number.</p> <p>(5) <u>Block 4, Item manager Air Logistics Center (IM ALC).</u> The applicable account code of the prime ALC.</p> <p>(6) <u>Block 5, Contracting ALC or AFMC procuring agency.</u> The designation of the agency that awarded the contract.</p> <p>(7) <u>Block 6, Contract administration office (CAO).</u> The office designated as CAO in the contract.</p> <p>(8) <u>Column A, item identification.</u> The national stock number (NSN) of the item being reported.</p> <p>(9) <u>Column B, call number.</u> When the awarded contract is a call (order) type,</p>				
11. DISTRIBUTION STATEMENT				
DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.				

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Block 10, Preparation Instructions (Continued)

this is the applicable call number. When an item is awarded on more than one call, it is repeated for each call until completed. If the current report completes the call, the word "completed" is in the blank block.

(10) Column C, C/ELIN. The contract exhibit line item number assigned to the NSN in the contract.

(11) Column D, quantity on contract or call. D-1 is the quantity of the end items to be repaired on each call or contract quantity when calls do not apply. D-2 is the quantity scheduled for repair during the quarter including the report month. D-3 is the quantity scheduled for repair cumulative to date.

(12) Column E, reparables received. Number of reparable items received for repair. E-1 is the quantity of reparables received during the report month. E-2 is the quantity of reparables received cumulative from the start of contract through report month.

(13) Column F, quantity inducted to work. The quantity inducted to work during report month.

(14) Column G, quantity produced. The quantity produced during the month.

(15) Column H, serviceables shipped. Serviceables shipped from repair facility. H-1 is the serviceables shipped through report month. H-2 is serviceables shipped cumulative from start of contract.

(16) Column I, serviceables on hand. The quantity of reparables on hand awaiting input or condemnation.

(17) Column J, reparables on hand. The number of reparables on hand awaiting input or condemnation.

(18) Column K, reparables shipped. The reparables shipped during report month.

(19) Column L, quantity condemned. The quantity condemned. L-1 is the quantity condemned during report month. L-2 is the quantity condemned cumulative from start of contract.

(20) Column M, forecast in to work. The number of items scheduled to be input to work during next month.

(21) Column N, forecast to complete. The quantity of items scheduled to be completed next month.

b. Part II, production problems. The report shall contain a second part in narrative format which shall be attached to the Air Force Materiel Command Form 413. This part is required if:

- (1) Previous reports production forecast was not shipped.
- (2) Current forecast does not equal contract scheduled quantity.
- (3) Contract anticipates a problem in the near future.

DATA ITEM DESCRIPTION**Title:** Report of Receipts, Inventory, Adjustments, and Shipments of Government Property**Number:** DI-MGMT-80442 **Approval Date:** 17 SEPT 1987**AMSC Number:** A421B **Limitation:** N/A**DTIC Applicable:** No **GIDEP Applicable:** No**Office of Primary Responsibility:****Applicable Forms:** N/A**Use/relationship:**

This report provides data regarding receipt, balance on-hand, adjustment and shipment of Government property. (Accountability for assets is retained by the Government.)

This report provides documents required to (a) support adjustment of property and financial inventory accountings records and (b) provide information as a basis for claims.

This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement for this data included in the contract.

This DID is applicable when contractors are responsible for maintaining custodial records for Government property being repaired.

Requirements:

Format. The report shall be in the following format:

Contract Number

1 NSN RECD	2 RELATED NSN	3 DOCUMENT NUMBER	4 SERIAL NUMBER	5 QTY RECEIVED	6 DATE RECEIVED	7 BALANCE ON-HAND
8 CONDITION CODE	9 NSN SHIPPING	10 QTY SHIPPED	11 DATE SHIPPED	12 SHIPMENT NUMBER	13 SDJUSTMENT QTY (+/-)	14 EXPLANATION GAIN/LOSS
15 REMARKS						

Content. All Government reparable on-hand as of close of business of the period specified in the DD Form 1423 and all assets received and shipped during the period shall be included in the report. The content of the report shall be as follows:

Change in National Stock Number (NSN). If asset is received under one NSN and modified to another configuration, the new NSN shall be reported in Column 9.

Component disassembly or reassembly.

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If a stock-numbered component is removed from the item being repaired and not reassembled to the repairable, only the following columns of data shall be reported:

- a. Col 1 – NSN of the component removed.
- b. Col 2 – NSN of the asset from which the component was removed.
- c. Col 3 – Document number of the repairable from which the component was removed.
- d. Col 4 – Serial number of the repairable from which the component was removed, if applicable.
- e. Col 5 – Quantity removed
- f. Col 15 – Receipt from component disassemble.

When a stock-numbered component removed from one repairable is being reassembled to another repairable, the following shall be reported. It may be combined with the entry for removal of the component.

- a. Col 1 – NSN of the component utilized.
- b. Col 9 – NSN of the repairable asset upon which the component was utilized.
- c. Col 10 – Quantity of the component utilized.
- d. Col 11 – Date utilized.
- e. Col 12 – Document number of the repairable upon which the component was utilized.
- f. Col 15 – Issue to component assembly.

Inventory. Should contractor custodial records require an adjustment following a physical inventory, the quantity adjusted (+ or -) shall be reported in col 13 of the report for that period.

Should col 13 be utilized to report an adjustment quantity, the circumstances of the loss or gain shall be explained in col 14.

Report dates. Ordinal dates shall be used for report dates. The Ordinal date is comprised of the last two digits of the calendar year and the Julian day of the year. Example: 30 Jan 87 shall be written as 870730

End of DI-MGMT-80442

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DATA ITEM DESCRIPTION		Form Approved OMB No. 0704-0188	
2. TITLE PHYSICAL INVENTORIES REPORT		1. IDENTIFICATION NUMBER DI-MGMT-80259	
3. DESCRIPTION/PURPOSE 3.1 The Physical Inventories Report documents inventories of Government-furnished/contractor-acquired material and nonexpendable special tooling (including vendor tools); special test equipment; and all accessories and attachments; on both a quantitative and monetary basis segregated by categories of property.			
4. APPROVAL DATE (YYMMDD) 861031	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) N/PMS 400C	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 7.1 This data item is applicable to contracts in which Government-furnished and contractor-acquired material are requisitioned. 7.2 This data item description contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. 7.3 Reporting is usually required on an annual basis.			
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS NAVSEA 4000/12 NAVSEA 4000/13	9b. AMSC NUMBER N3993
10. PREPARATION INSTRUCTIONS 10.1 <u>Specific Instructions.</u> The Physical Inventories Report shall consist of the following three sections: 10.1.1 <u>Section I - Tally Sheet Inventory Voucher.</u> The Tally Sheet Inventory voucher (Figure 1) shall contain a physical inventory count to include vendor tooling and other subcontractor items with results of each inventory listed, and shall consist of the following: a. Contractor - Name of contractor submitting the report b. Contract Number - Contract items are accountable under c. Indicate by "X" - Type - the type of inventory being conducted d. Page of page - Self explanatory e. Date Prepared - Date the vouchers are prepared f. Item No. - Items numbered starting with (1) g. Stock/Part Number - National Stock Number or Part Number h. Description - Noun name of item i. Unit of issue - Each, feet, meters, etc. j. Unit Cost - Individual item prices k. Recorded Balance - Stock Record Count l. Inventory Balance - Physical quantity on hand m. Over - Quantity inventory count is greater than recorded balance and cost n. Short - Quantity inventory count is less than recorded balance and cost			
11. DISTRIBUTION STATEMENT DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.			

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10. PREPARATION INSTRUCTIONS (Cont'd)

- o. Total - combined count of each line item
- p. Posted by and Dated - Initialed and dated by the individual performing the inventory
- q. Certifying Signature and Date - Initialed and dated by the Property Administrator

10.1.2 Section II - Inventory Adjustment Voucher. The Inventory Adjustment Voucher (Figure 2) shall identify the adjustment of shortages and overages for material only, and shall consist of existing variations between physical inventory count and previous "Balance on Hand" quantity. The Inventory Adjustment Voucher shall be recorded as follows:

Item No. - Items numbered starting with one (1)
Part Number/NSN - Recorded Part Number or National Stock Number
Description - Noun name of item
Quantity Over - Quantity greater than the recorded stock balance
Quantity Short - Quantity less than the recorded stock balance
Unit Price - Cost per piece of line item
Total Price - Combined cost of line item

10.1.3 Section III - Physical Inventory Certification Sheet. Contains a statement specifying a given date in which physical inventory of all Government-owned property was completed and that the official records are in agreement with the actual quantities of property on hand.

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